

# PRODUCT CATALOGUE

Driving the World's Smart Energy Future

Driving the World's Smart Energy Future

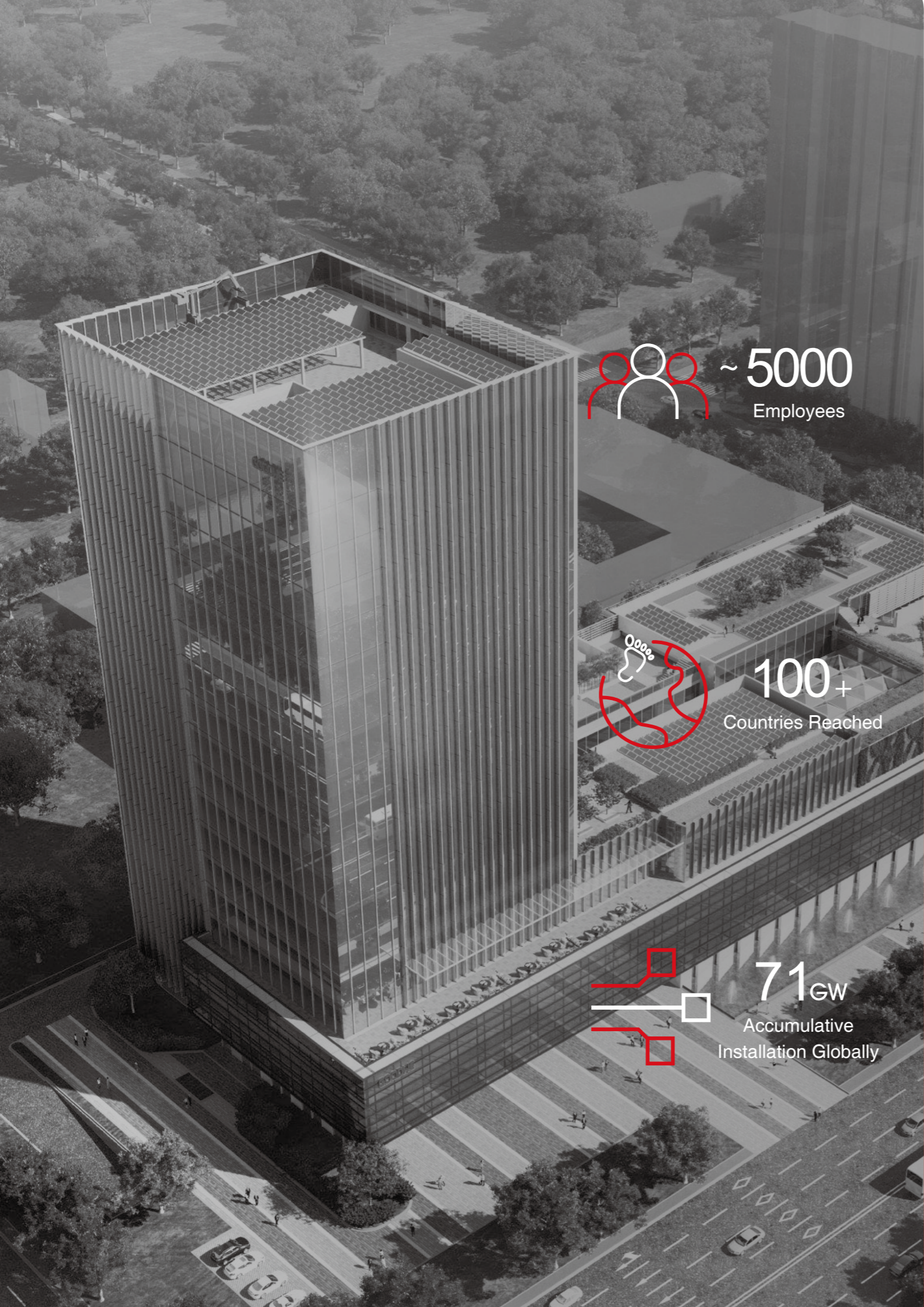


Scan and Follow GoodWe

**Disclaimer**

The technical data above mentioned may be modified in order to reflect continuous technical innovation and improvements achieved by GoodWe's R & D team. GoodWe has the sole right to make such modification at any time without further notice. GoodWe's customers have the right to request the latest version of GoodWe product datasheets and any commercial contracts that may be signed will be based on the most recent version of the datasheet at the moment of signing the contract.





 ~ 5000  
Employees

 100+  
Countries Reached

 71GW  
Accumulative  
Installation Globally

## ABOUT GOODWE

---

01

# A World-Class Solar Product Manufacturer



Established in 2010, GoodWe has rapidly ascended to become a global leader in renewable energy solutions, extending its services to customers across 100 countries worldwide. With a steadfast commitment to offering a comprehensive suite of energy solutions, GoodWe has diversified its product portfolio to encompass inverters, lithium batteries, PV building materials, EV chargers, accessories, and smart energy management systems, alongside robust safety solutions. This expansive range caters to residential, commercial and industrial, and utility-scale applications, ensuring versatility to meet a broad spectrum of energy needs.

Driven by a dedication to innovation and sustainability, GoodWe continuously invests in research and development, driving the evolution of products to meet the evolving needs of the market. The team of R&D engineers, numbering over 1,000, works tirelessly to ensure the reliability, efficiency, and performance of solutions, setting new industry standards in the process.

At GoodWe, belief in the power of renewable energy to transform the world is paramount, with dedication to playing a part in shaping a brighter, greener future for generations to come.

# Awards & Achievements

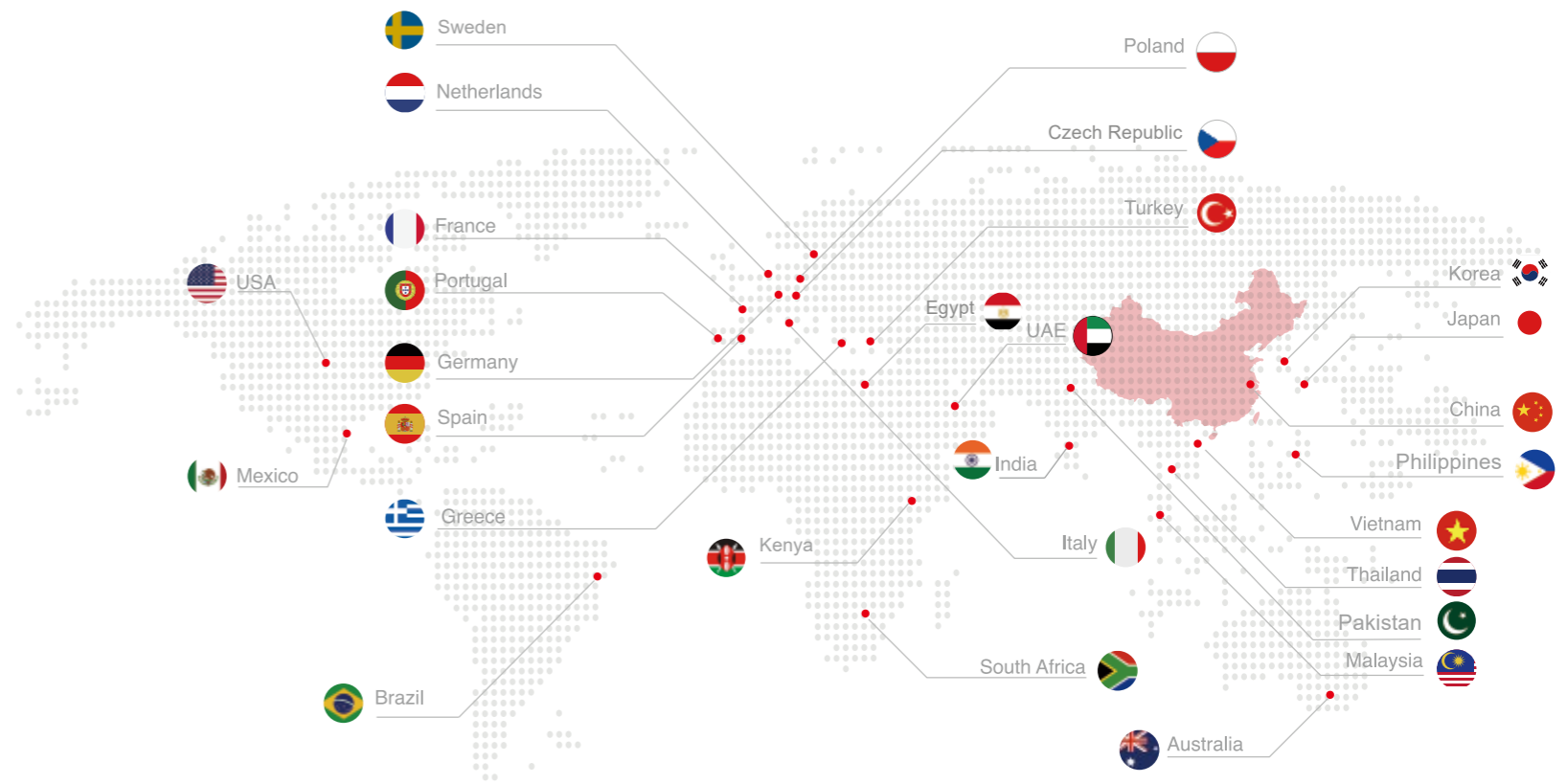
- NO.1** Wood Mackenzie POWER & RENEWABLES World's No.1 Residential Inverter Supplier
- TOP 3** Wood Mackenzie POWER & RENEWABLES Storage Inverter Global Top 3 Hybrid Inverter Supplier
- TOP 6** IHS Markit now part of S&P Global World's Top 6 PV Inverter Supplier
- pv magazine AWARD 2019** PV Magazine Award
- SILVER 2022 ecovadis** Sustainability Rating Silver Medal in EcoVadis Sustainability Rating
- reddot Design** Reddot Design Award
- DNV 2021 DNV BANKABLE** Bankable Brand with Higher Product Reliability
- EURO RESEARCH TOP BRAND PV** EuPD Top Brand for 5 Consecutive Years
- TÜVRheinland** Precisely Right. ALL QUALITY MATTERS AWARD Winner for 7 Consecutive Years
- NO.4** Energy Storage Inspection for Efficiency

# Metrics That Matter

- 3** Production Facilities  
Suzhou, China  
Guangde, China  
HaiPhong, Vietnam
- 35<sup>GW</sup>** Annual Production Capacity of Inverter
- 2.1<sup>GWh</sup>** Annual Production Capacity of Battery
- 4** R&D Centers  
Suzhou, Shenzhen  
Wuhan, Nanjing (China)
- 8%** Revenue Invested in R&D for 2023
- 1000+** R&D Engineers

## Global Reach, Local Support

With a robust global presence spanning across numerous countries, GoodWe boasts an extensive sales network that ensures accessibility to its renewable energy solutions worldwide. This expansive reach enables the company to deliver localized services and support to customers in various regions, fostering strong relationships and trust within local communities. From remote villages to bustling metropolises, GoodWe remains dedicated to providing tailored solutions and reliable assistance, reaffirming its commitment to empowering individuals and businesses with sustainable energy solutions on a global scale.





# Quality Matters



## Quality Control



### Supplier Quality Management

- Vendor qualification program (AVL)
- RoHS compliance



### Quality Engineering

- On-going reliability testing (ORT)
- Calibration management



### Incoming Quality Management

- Incoming sampling plan
- IQC inspection
- Non-conforming material handling



### Outgoing/Open Box Audit

- FQC & OQC process
- Customer service center



### Process Quality Management

- Critical process quality control plan
- Thorough IPQC inspection
- Stringent testing processes



# TABLE OF CONTENTS

01	About GoodWe	<i>01-06</i>
02	Residential PV Inverters	<i>11-22</i>
03	Residential PV + Storage Solutions	<i>25-54</i>
04	Commercial & Industrial PV Inverters	<i>57-70</i>
05	Commercial & Industrial PV + Storage Solutions	<i>73-86</i>
06	Utility Scale PV Solutions	<i>89-94</i>
07	Intelligent Solar Energy System Monitoring	<i>97-116</i>
08	Case Reference	<i>117-122</i>
09	Service Structure	<i>123-124</i>
10	Contact Us	<i>125-126</i>

# RESIDENTIAL PV INVERTERS

---

02



## Inverter

- XS G3
- DNS G3
- MS G3
- SDT G2 PLUS+
- SDT G3
- MIS

# XS G3 Series

0.7-3.3kW | Single Phase | 1 MPPT

GoodWe XS G3 Series is a residential solar inverter that is designed for maximum convenience and efficiency. It is incredibly lightweight, weighing only 4.6kg and is as compact as an A4 paper, facilitating effortless installation and handling. It boasts an impressive 200% DC input oversizing and a maximum efficiency of 97.6%, ensuring maximum performance and energy generation for homeowners. In addition to its high efficiency, the inverter also offers a quiet operation with <20dB noise levels and IP66 ingress protection. Multiple communication options are supported for easy integration into a smart home system.



## Smart Control & Monitoring

- 24/7 load consumption monitoring
- Export power limit



## Superb Safety & Reliability

- IP66 ingress protection
- Optional AFCI<sup>1</sup>
- Optional Type II SPD on both DC & AC sides<sup>1</sup>



## Friendly & Thoughtful Design

- Fanless design for quiet operation
- A4 size with lightweight



## High Power Generation

- Max. 16A DC input current per string
- 200% DC input oversizing

# XS G3 Series

GOODWE

Technical Data	GW700-XS-30	GW1000-XS-30	GW1500-XS-30	GW2000-XS-30	GW2500-XS-30	GW3000-XS-30	GW3300-XS-30
<b>Input</b>							
Max. Input Voltage (V)	600						
MPPT Operating Voltage Range (V)	40 ~ 450						
Start-up Voltage (V)	50						
Nominal Input Voltage (V)	360						
Max. Input Current per MPPT (A)	16						
Max. Short Circuit Current per MPPT (A)	25						
Number of MPP Trackers	1						
Number of Strings per MPPT	1						
<b>Output</b>							
Nominal Output Power (W)	700	1000	1500	2000	2500	3000	3300
Nominal Output Apparent Power (VA)	700	1000	1500	2000	2500	3000	3300
Max. AC Active Power (W)	700	1000	1500	2000	2500	3000	3300
Max. AC Apparent Power (VA)	700	1000	1500	2000	2500	3000	3300
Nominal Output Voltage (V)	220 / 230 / 240, L / N / PE						
Output Voltage Range (V)	154 ~ 288 (according to local standard)						
Nominal AC Grid Frequency (Hz)	50 / 60						
AC Grid Frequency Range (Hz)	45 ~ 55 / 57 ~ 63						
Max. Output Current (A)	3.2	4.6	6.9	9.1	11.4	13.7	15.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)						
Max. Total Harmonic Distortion	<3%						
<b>Efficiency</b>							
Max. Efficiency	97.0%	97.1%	97.2%	97.6%	97.6%	97.6%	97.6%
European Efficiency	93.2%	95.0%	96.0%	96.8%	97.0%	97.1%	97.1%
<b>Protection</b>							
PV String Current Monitoring	Integrated						
PV Insulation Resistance Detection	Integrated						
Residual Current Monitoring	Integrated						
PV Reverse Polarity Protection	Integrated						
Anti-islanding Protection	Integrated						
AC Overcurrent Protection	Integrated						
AC Short Circuit Protection	Integrated						
AC Overvoltage Protection	Integrated						
DC Switch	Integrated						
DC Surge Protection	Type III (Type II Optional)						
AC Surge Protection	Type III (Type II Optional)						
AFCI	Optional						
Remote Shutdown	Optional						
Power Supply at Night	Integrated						
<b>General Data</b>							
Operating Temperature Range (°C)	-25 ~ +60						
Relative Humidity	0 ~ 100%						
Max. Operating Altitude (m)	4000						
Cooling Method	Natural Convection						
User Interface	LED, LCD (Optional), WLAN + APP						
Communication	RS485, WiFi, LAN or 4G or Bluetooth (Optional)						
Communication Protocols	Modbus-RTU (SunSpec Compliant), ModBus TCP (Optional)						
Weight (kg)	4.6						
Dimension (WxHxD mm)	306 x 218 x 119						
Noise Emission (dB)	<20						
Topology	Non-isolated						
Self-consumption at Night (W)	<3						
Ingress Protection Rating	IP66						
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )						
AC Connector	Plug and Play Connector						

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

1: Optional functions or devices are purchased separately.

# DNS G3 Series

3-6kW | Single Phase | 2 MPPTs

The GoodWe DNS G3 Series inverter is specially designed for single-phase residential applications. Integrated with high-current input and DC input oversizing capabilities, the series can bring you optimized power generation and make substantial returns. With its lighter and fanless house fit-in compact design, the DNS G3 inverter provides a reliable power supply yet runs at a super quiet operation below 25dB. The inverter also takes safety measures including optional Arc Fault Failure Interrupter (AFCI) and Type II Surge Protection Device (SPD) on both sides to protect the system from electrical fire and lightning hazards in extreme environments for guaranteed safety.



## Smart Control & Monitoring

- 24/7 load consumption monitoring\*
- Multiple communication protocols supported



## Optimal Generation

- Max. 16A input current per string
- 150% DC input oversizing & 110% AC output overloading



## Superb Safety & Reliability

- Optional AFCI preventing electrical fires\*
- Optional AC & DC Type II SPD & SPD failure alarm\*



## Friendly & Thoughtful Design

- IP66 ingress protection
- Low noise level thanks to fanless cooling

# DNS G3 Series

GOODWE

Technical Data	GW3000-DNS-30	GW3600-DNS-30	GW4200-DNS-30	GW5000-DNS-30	GW6000-DNS-30
<b>Input</b>					
Max. Input Voltage (V)	600				
MPPT Operating Voltage Range (V)	40 ~ 560				
Start-up Voltage (V)	50				
Nominal Input Voltage (V)	360				
Max. Input Current per MPPT (A)	16				
Max. Short Circuit Current per MPPT (A)	23				
Number of MPP Trackers	2				
Number of Strings per MPPT	1				
<b>Output</b>					
Nominal Output Power (W)	3000	3600	4200 <sup>1</sup>	5000	6000
Nominal Output Apparent Power (VA)	3000	3600	4200 <sup>1</sup>	5000	6000
Max. AC Active Power (W) <sup>4</sup>	3300	3960 <sup>2</sup>	4620 <sup>1*2</sup>	5500	6600
Max. AC Apparent Power (VA) <sup>4</sup>	3300	3960 <sup>2</sup>	4620 <sup>1*2</sup>	5500	6600
Nominal Output Voltage (V)	220 / 230 / 240				
Output Voltage Range (V)	196 ~ 311				
Nominal AC Grid Frequency (Hz)	50 / 60				
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65				
Max. Output Current (A)	14.4	17.3 <sup>2</sup>	20.1 <sup>2</sup>	24.0	28.8
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	<3%				
<b>Efficiency</b>					
Max. Efficiency	97.9%				
European Efficiency	97.0%	97.0%	97.2%	97.3%	97.4%
<b>Protection</b>					
PV String Current Monitoring	Integrated				
PV Insulation Resistance Detection	Integrated				
Residual Current Monitoring	Integrated				
PV Reverse Polarity Protection	Integrated				
Anti-islanding Protection	Integrated				
AC Overcurrent Protection	Integrated				
AC Short Circuit Protection	Integrated				
AC Overvoltage Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	Type III (Type II Optional)				
AC Surge Protection	Type III (Type II Optional)				
AFCI	Optional				
Emergency Power Off	Optional				
Remote Shutdown	Optional				
Power Supply at Night	Optional				
<b>General Data</b>					
Operating Temperature Range (°C)	-25 ~ +60				
Relative Humidity	0 ~ 100%				
Max. Operating Altitude (m) <sup>3</sup>	4000				
Cooling Method	Natural Convection				
Display	LED, LCD (Optional), WLAN + APP				
Communication	WiFi, RS485 or LAN or 4G or DI (Ripple Control or DRM) (Optional)				
Communication Protocols	Modbus-RTU (SunSpec Compliant)				
Weight (kg)	12.8	12.8	12.8	12.8	13.4
Dimension (W x H x D mm)	350 x 410 x 143				
Noise Emission (dB)	<25				
Topology	Non-isolated				
Self-consumption at Night (W)	<1				
Ingress Protection Rating	IP66				
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )				
AC Connector	Plug and play connector (Max. 6mm <sup>2</sup> )				

\*: All pictures shown are for reference only. Actual appearance may vary.

\*: Optional functions or devices are purchased separately.

\*: Please visit GoodWe website for the latest certificates.

\*1: For Malaysia GW4200-DNS-30 Nominal Output Power (W) and Nominal Output Apparent Power (VA) and Max. AC Active Power (W) and Max. AC Apparent Power (VA) is 4000.

\*2: For Netherland Max. AC Active Power (W) and Max. AC Apparent Power (VA) GW3600-DNS-30 is 3600, GW4200-DNS-30 is 4200; Max. Output Current (A) and Nominal Output Current (A) GW3600-DNS-30 is 15.7, GW4200-DNS-30 is 18.3.

\*3: For Australia Max. Operating Altitude (m) GW3000-DNS-30, GW3600-DNS-30, GW4200-DNS-30, GW5000-DNS-30, GW6000-DNS-30 is 3000.

\*4: For Chile Max. AC Active Power (W) & Max. Output Apparent Power (VA) GW3000-DNS-30 is 3000, GW3600-DNS-30 is 3600, GW4200-DNS-30 is 4200, GW5000-DNS-30 is 5000, GW6000-DNS-30 is 6000.

\*: For Australia Nominal Output Current (A) GW3000-DNS-30 is 14.4, GW3600-DNS-30 is 17.3, GW4200-DNS-30 is 20.1, GW5000-DNS-30 is 24.0, GW6000-DNS-30 is 28.8. For Belgium Nominal Output Current (A) GW3000-DNS-30 is 13.0, GW3600-DNS-30 is 15.7, GW4200-DNS-30 is 18.3, GW5000-DNS-30 is 21.7, GW6000-DNS-30 is 26.1.



# MS G3 Series

5-10kW | Single Phase | 3 MPPTs

The MS G3 single-phase inverters of 5-10kW provide powerful and versatile solution options for residential buildings. This model boasts 3 MPPTs for various complex rooftops, thus leading to high power efficiency. The ultra-low 50V startup voltage allows inverters to kick in earlier during the day and presents more power generation. In addition, by supporting up to 20A DC max. input current per MPPT, the MS G3 Series is ideal for high-power modules, which makes full use of power generated and presents lower LCOE. Importantly, PID (potential induced degradation) recovery function is supported for better module performance. The inverter also takes safety measures including optional Arc-Fault Circuit Interrupter (AFCI) and Type II Surge Protection Device (SPD) on both DC & AC sides to protect the system from electrical fire and lightning hazards in extreme environments.



## Smart Control & Monitoring

- Smart load control with dry contacts
- 24-hour load consumption monitoring



## Superb Safety & Reliability

- Optional AFCI & rapid shutdown<sup>1</sup>
- IP66 ingress protection



## High Power Generation

- Up to 20A max. DC input current per string
- PID recovery function



## Friendly & Thoughtful Design

- Fanless cooling for quiet operation
- Software updates via USB

1: Optional functions or devices are purchased separately.

# MS G3 Series

GOODWE

Technical Data	GW5000-MS-30	GW6000-MS-30	GW7000-MS-30	GW8500-MS-30	GW10K-MS-30
<b>Input</b>					
Max. Input Voltage (V)	600				
MPPT Operating Voltage Range (V)	40 ~ 560				
Start-up Voltage (V)	50				
Nominal Input Voltage (V)	360				
Max. Input Current per MPPT (A)	20				
Max. Short Circuit Current per MPPT (A)	25				
Number of MPP Trackers	3				
Number of Strings per MPPT	1				
<b>Output</b>					
Nominal Output Power (W)	5000	6000	7000	8500	10000
Nominal Output Apparent Power (VA)	5000	6000	7000	8500	10000
Max. AC Active Power (W) <sup>1,2</sup>	5500	6600	7700	9350	10000
Max. AC Apparent Power (VA) <sup>2,7</sup>	5500	6600	7700	9350	10000
Nominal Output Voltage (V)	220 / 230 / 240				
Output Voltage Range (V) (according to local standard)	160 ~ 270				
Nominal AC Grid Frequency (Hz)	50 / 60				
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65				
Max. Output Current (A) <sup>3</sup>	24.0	28.7	33.5	40.7	43.5 <sup>6</sup>
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	<3%				
<b>Efficiency</b>					
Max. Efficiency <sup>4</sup>	97.8%	97.8%	97.7%	97.9%	97.9%
European Efficiency <sup>5</sup>	97.2%	97.2%	97.1%	97.3%	97.3%
<b>Protection</b>					
PV String Current Monitoring	Integrated				
PV Insulation Resistance Detection	Integrated				
Residual Current Monitoring	Integrated				
PV Reverse Polarity Protection	Integrated				
Anti-islanding Protection	Integrated				
AC Overcurrent Protection	Integrated				
AC Short Circuit Protection	Integrated				
AC Overvoltage Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	Type III (Type II Optional)				
AC Surge Protection	Type III (Type II Optional)				
AFCI	Optional				
Rapid Shutdown	Optional				
Remote Shutdown	Optional				
PID Recovery	Optional				
Power Supply at Night	Optional				
<b>General Data</b>					
Operating Temperature Range (°C)	-25 ~ +60				
Relative Humidity	0 ~ 100%				
Max. Operating Altitude (m)	4000				
Cooling Method	Natural Convection				
User Interface	LED, LCD (Optional), WLAN + APP				
Communication	WiFi, RS485 or LAN (Optional)				
Communication Protocols	Modbus-RTU (SunSpec Compliant)				
Weight (kg)	19.0				
Dimension (W x H x D mm)	441 x 507 x 210				
Noise Emission (dB)	<30				
Topology	Non-isolated				
Self-consumption at Night (W)	<1				
Ingress Protection Rating	IP66				
DC Connector	MC4 (2.5 ~ 4mm <sup>2</sup> )				
AC Connector	Plug and play connector (Max. 16mm <sup>2</sup> )				

<sup>1</sup>: For Brazil Max. AC Active Power (W) GW7000-MS-30 is 7000, GW8500-MS-30 is 8500.  
<sup>2</sup>: For Brazil Max. AC Apparent Power (VA) GW7000-MS-30 is 7000, GW8500-MS-30 is 8500.  
<sup>3</sup>: For Brazil Max. Output Current (A) GW7000-MS-30 33.5, GW8500-MS-30 is 40.7, GW10K-MS-30 is 45.5.  
<sup>4</sup>: For Brazil Max. Efficiency GW7000-MS-30 is 97.5%, GW8500-MS-30 is 97.8%, GW10K-MS-30 is 97.8%.  
<sup>5</sup>: For Brazil European Efficiency GW7000-MS-30 is 97.0%, GW8500-MS-30 is 97.2%, GW10K-MS-30 is 97.2%.

<sup>6</sup>: For where the Nominal Output Voltage (V) is 220, Max. Output Current (A) GW10K-MS-30 is 45.5, Nominal Output Current (A) GW10K-MS-30 is 45.5.  
<sup>7</sup>: For Chile Max. AC Active Power (W) & Max. Output Apparent Power (VA) GW5000-MS-30 is 5000, GW6000-MS-30 is 6000, GW7000-MS-30 is 7000, GW8500-MS-30 is 8500, GW10K-MS-30 is 10000.  
<sup>\*</sup>: Please visit GoodWe website for the latest certificates.  
<sup>\*\*</sup>: All pictures shown are for reference only. Actual appearance may vary.

# SDT G2 PLUS+ Series

4-20kW | Three Phase | 2 MPPTs

The GoodWe 4-20kW SDT G2 PLUS+ Series inverter is specially designed for three-phase residential and small commercial projects. The integrated features of high efficiency allow for optimized power generation during the inverter's service cycle. With its lightweight and easy-to-install design, the SDT G2 inverter offers comfort and great convenience for operators and installers. Users can also take all-around smart control of energy management utilizing the featuring 24-hour load consumption monitoring enabled by GoodWe HK3000<sup>\*\*1</sup>. Meet the perfect choice of maximum energy yield for residential and small-scale commercial usage.



## Smart Control & Monitoring

- Smart Shadow Scan with adjustable scan interval<sup>\*\*1</sup>
- Multi-protocol compatibility for smart home integration



## Superb Safety & Reliability

- Optional AFCI<sup>\*\*2</sup>
- Optional exchangeable DC Type II SPD & SPD failure alarm<sup>\*\*2</sup>



## High Generation to Cut Bills

- Up to 200% DC input oversizing & 110% AC output overloading
- Up to 16 A max. DC input current per string



## Friendly & Thoughtful Design

- Fanless design for quiet operations<sup>\*\*3</sup>
- Elegant and compact design

<sup>\*\*1</sup>: For SDT G2 Plus+ 8-20kW only.  
<sup>\*\*2</sup>: Optional functions or devices are purchased separately.  
<sup>\*\*3</sup>: For SDT G2 Plus+ 4-10kW only.

# SDT G2 PLUS+ Series



Technical Data	GW4000-SDT-20	GW5000-SDT-20	GW6000-SDT-20	GW8000-SDT-20	GW10K-SDT-20	GW12K-SDT-20	GW12KLV-SDT-20	GW15K-SDT-20	GW17K-SDT-20	GW20K-SDT-20
<b>Input</b>										
Max. Input Voltage (V)	1000	1000	1000	1100	1100	1100	800	1100	1100	1100
MPPT Operating Voltage Range (V)	180 ~ 850	180 ~ 850	180 ~ 850	140 ~ 950	140 ~ 950	140 ~ 950	140 ~ 650	140 ~ 950	140 ~ 950	140 ~ 950
Start-up Voltage (V)	180									
Nominal Input Voltage (V)	620	620	620	620	620	620	370	620	620	620
Max. Input Current per MPPT (A)	16	16	16	15	15	30	30	30	30	30
Max. Short Circuit Current per MPPT (A)	20.0	20.0	20.0	18.7	18.7	37.5	37.5	37.5	37.5	37.5
Number of MPP trackers	2									
Number of Strings per MPPT	1	1	1	1	1	2	2	2	2	2
<b>Output</b>										
Nominal Output Power (W)	4000	5000	6000	8000	10000	12000	12000	15000	17000	20000
Nominal Output Apparent Power (VA)	4000	5000	6000	8000	10000	12000	12000	15000	17000	20000
Max. AC Active Power (W) <sup>**1</sup>	4400	5500	6600	8800	11000	13200	12000	16500	18700	22000
Max. AC Apparent Power (VA) <sup>**1</sup>	4400	5500	6600	8800	11000	13200	12000	16500	18700	22000
Nominal Output Voltage (V)	400, 3L / N / PE			380 / 400 / 415, 3L / N / PE			220 / 127, 3L / N / PE	380 / 400 / 415, 3L / N / PE		
Output Voltage Range (V) (according to local standard)	180 ~ 270									
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	60	50 / 60	50 / 60	50 / 60
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65									
Max. Output Current (A)	6.4	8.0	9.6	12.8	16.0	19.1	31.9	24.0	27.1	32.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)									
Max. Total Harmonic Distortion	<3%									
<b>Efficiency</b>										
Max. Efficiency	98.2%	98.2%	98.2%	98.3%	98.3%	98.4%	96.9%	98.4%	98.4%	98.4%
European Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.8%	96.4%	97.8%	97.8%	97.8%
<b>Protection</b>										
PV Insulation Resistance Detection	Integrated									
Residual Current Monitoring	Integrated									
PV Reverse Polarity Protection	Integrated									
Anti-islanding Protection	Integrated									
AC Overcurrent Protection	Integrated									
AC Short Circuit Protection	Integrated									
AC Overvoltage Protection	Integrated									
DC Switch	Integrated									
DC Surge Protection	Type III (Type II Optional)									
AC Surge Protection	Type III			Type III (Type II Optional)						
AFCI	Optional									
Emergency Power Off	Optional									
Remote Shutdown	Optional									
<b>General Data</b>										
Operating Temperature Range (°C)	-30 ~ +60									
Relative Humidity	0 ~ 100%									
Max. Operating Altitude (m) <sup>**2</sup>	4000									
Cooling Method	Natural Convection					Smart Fan Cooling				
Display	LED, LCD (Optional), WLAN + APP									
Communication	WiFi, RS485 or LAN or 4G (Optional)									
Weight (kg)	15.0	15.0	15.0	20.5	20.5	23.5	26.0	26.0	26.0	26.0
Dimension (W x H x D mm)	354 x 433 x 147			415 x 511 x 175			415 x 511 x 198			
Noise Emission (dB)	<34	<34	<34	<25	<25	<50	<50	<50	<50	<50
Topology	Non-isolated									
Self-consumption at Night (W)	<1									
Ingress Protection Rating	IP65									
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )									
AC Connector	Plug and play connector					OT Terminal				

<sup>\*1</sup>: For Chile Max. AC Active Power (W) & Max. Output Apparent Power (VA): GW4000-SDT-20 is 4000, GW5000-SDT-20 is 5000, GW6000-SDT-20 is 6000, GW8000-SDT-20 is 8000, GW10K-SDT-20 is 10000, GW12K-SDT-20 is 12000, GW12KLV-SDT-20 is 12000, GW15K-SDT-20 is 15000, GW17K-SDT-20 is 17000, GW20K-SDT-20 is 20000.

<sup>\*2</sup>: For Australia, Max. Operating Altitude (m) is 3000.  
<sup>\*</sup>: Please visit GoodWe website for the latest certificates.

<sup>\*</sup>: All pictures shown are for reference only. Actual appearance may vary.

# SDT G3 Series

8-30kW | Three Phase | 2 MPPTs

The GoodWe SDT G3 Series, with a power range of 8-30kW, is specifically engineered to cater to the energy needs of three-phase residential and small commercial projects. The inverter boasts an impressive 150% DC oversizing and 110% AC overloading capabilities, allowing for maximum performance and output even in challenging environments. In addition, the SDT G3 Series inverter's lightweight and easy-to-install design offers exceptional convenience for operators and installers alike.



## Smart Control & Monitoring

- 24/7 load consumption monitoring
- Export power limit



## Superb Safety & Reliability

- Optional AFCI<sup>1</sup>
- IP66 ingress protection
- Optional Type II SPD on both AC and DC sides<sup>1</sup>



## Friendly & Thoughtful Design

- Fanless cooling for quiet operation<sup>2</sup>
- Elegant and compact design



## Flexible & Adaptable Applications

- Up to 150% DC input oversizing & 110% AC output overloading
- Max. 22A DC input current per string
- Optional PID recovery<sup>1</sup>

<sup>1</sup>: Optional functions or devices are purchased separately.  
<sup>2</sup>: For SDT G3 8-15kW only.

# SDT G3 Series

**GOODWE**

Technical Data	GW8000-SDT-30	GW10K-SDT-30	GW10K-SDT-EU30	GW12K-SDT-30	GW15K-SDT-30	GW17K-SDT-30	GW20K-SDT-30	GW12KLV-SDT-C30	GW17KLV-SDT-C30	GW25K-SDT-C30	GW30K-SDT-C30	
<b>Input</b>												
Max. Input Voltage (V)	1100			850		1100						
MPPT Operating Voltage Range (V)	140 ~ 1000			140 ~ 700		140 ~ 1000						
Start-up Voltage (V)	160			160		160						
Nominal Input Voltage (V)	600			420		600						
Max. Input Current per MPPT (A)	22			32 / 22		42 / 32		42 / 22		42 / 32		
Max. Short Circuit Current per MPPT (A)	27.5			40.0 / 27.5		52.5 / 40.0		52.5 / 27.5		52.5 / 40.0		
Number of MPP Trackers	2			2		2						
Number of Strings per MPPT	1			2 / 1		2		2 / 1		2		
<b>Output</b>												
Nominal Output Power (W)	8000	10000	10000	12000	15000	17000	20000	12000	17000	25000	30000	
Nominal Output Apparent Power (VA)	8000	10000	10000	12000	15000	17000	20000	12000	17000	25000	30000	
Max. AC Active Power (W) <sup>1</sup>	8800	11000	10000	13200	16500	18700	22000	12000	17000	27500	33000	
Max. AC Apparent Power (VA)	8800	11000	10000	13200	16500	18700	22000	12000	17000	27500	33000	
Nominal Output Voltage (V)	220 / 380, 230 / 400, 240 / 415, 3L / N / PE or 3L / PE							127 / 220, 3L / N / PE or 3L / PE		220 / 380, 230 / 400, 240 / 415, 3L / N / PE or 3L / PE		
Output Voltage Range (V)	180 ~ 280 (according to local standard)							114 ~ 139 (according to local standard)		180 ~ 280 (according to local standard)		
Nominal AC Grid Frequency (Hz)	50 / 60							60		50 / 60		
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65							59.5 ~ 60.2		45 ~ 55 / 55 ~ 65		
Max. Output Current (A) <sup>2</sup>	13.4	16.7	15.2	20.0	25.0	28.3	33.3	33.3	50.0	41.7	50.0	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)											
Max. Total Harmonic Distortion	<3%											
<b>Efficiency</b>												
Max. Efficiency	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%	98.2%	97.5%	98.6%	98.6%	
European Efficiency	98.0%	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%	97.2%	96.9%	98.2%	98.3%	
<b>Protection</b>												
PV String Current Monitoring	Integrated											
PV Insulation Resistance Detection	Integrated											
Residual Current Monitoring	Integrated											
PV Reverse Polarity Protection	Integrated											
Anti-islanding Protection	Integrated											
AC Overcurrent Protection	Integrated											
AC Short Circuit Protection	Integrated											
AC Overvoltage Protection	Integrated											
DC Switch	Integrated											
DC Surge Protection	Type III (Type II Optional)							Type II		Type III (Type II Optional)		
AC Surge Protection	Type III (Type II Optional)											
AFCI	Optional											
Emergency Power Off	Optional											
Rapid Shutdown	Optional											
Remote Shutdown	Optional											
PID Recovery	Optional											
Power Supply at Night	Optional											
<b>General Data</b>												
Operating Temperature Range (°C)	-30 ~ +60											
Relative Humidity	0 ~ 100%											
Max. Operating Altitude (m)	4000											
Cooling Method	Natural Convection							Smart Fan Cooling				
User Interface	LED, LCD (Optional), WLAN + APP											
Communication	RS485, WiFi, LAN or 4G or Bluetooth (Optional)											
Weight (kg)	14.7	14.7	14.7	16.2	16.2	17.1	17.1	17.1	20.5	19.7	20.5	
Dimension (W x H x D mm)	491 x 392 x 210							530 x 413 x 227				
Noise Emission (dB)	<30							<45				
Topology	Non isolated											
Self-consumption at Night (W)	<1											
Ingress Protection Rating	IP66											
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )											
AC Connector	OT terminal (Max. 10mm <sup>2</sup> )			OT terminal (Max. 16mm <sup>2</sup> )			OT terminal (Max. 25mm <sup>2</sup> )					

<sup>1</sup>: For Brazil and Chile, the Max. AC Active Power (W) & Max. AC Apparent Power (VA): GW8000-SDT-30 is 8000, GW10K-SDT-30 is 10000, GW12K-SDT-30 is 12000, GW15K-SDT-30 is 15000, GW17K-SDT-30 is 17000, GW20K-SDT-30 is 20000, GW12KLV-SDT-C30 is 12000, GW17KLV-SDT-C30 is 17000, GW25K-SDT-C30 is 25000, GW30K-SDT-C30 is 30000.

<sup>2</sup>: For Brazil and Chile, Max. Output Current (A) and Nominal Output Current (A): GW8000-SDT-30 is 12.1, GW10K-SDT-30 is 15.2, GW12K-SDT-30 is 18.2, GW15K-SDT-30 is 22.7,

GW17K-SDT-30 is 25.8, GW20K-SDT-30 is 30.3, GW12KLV-SDT-C30 is 18.2, GW17KLV-SDT-C30 is 25.8, GW25K-SDT-C30 is 37.9, GW30K-SDT-C30 is 45.5.  
<sup>\*</sup>: Please visit GoodWe website for the latest certificates.  
<sup>\*\*</sup>: All pictures shown are for reference only. Actual appearance may vary.

# MIS Series

## 1.6-2kW | Single Phase | Microinverter

GoodWe's MIS Series microinverter is an ideal solution for residential and small commercial settings. Designed to work seamlessly with solar panels, each microinverter is paired with four panels, enabling individual panel tracking. The MIS Series microinverter is equipped with built-in WiFi and Bluetooth for easy setup and maintenance. Furthermore, it elevates monitoring and communication capabilities, empowering users to monitor each panel's performance in real time and identify any issues or inefficiencies. With GoodWe MIS, you will be able to maximize energy production and reduce energy losses, while also enhancing safety.



### Friendly & Thoughtful Design

- 4-in-1 design for multi-angle rooftop
- Plug & play installation, easy to install



### Superb Safety & Reliability

- AC protection relay integrated
- Max. DC voltage 60V, eliminating high DC voltage risks
- IP67 ingress protection



### Smart Control & Monitoring

- Module-level monitoring
- Wi-Fi mesh networking
- Smart monitoring platform for easier O&M



### Optimal Performance

- 4 MPP trackers, module-level MPPT
- Compatible with high-power modules
- 22V startup voltage

# MIS Series

**GOODWE**

Technical Data	GW1600-MIS	GW1800-MIS	GW2000-MIS
<b>Input</b>			
Commonly Used Module Power (W)	320 to 535+	360 to 600+	400 to 670+
Max. Input Voltage (V)		65	
MPPT Operating Voltage Range (V)		16~60	
Start-up Voltage (V)		22	
Max. Input Current (A)		4 × 16	
Max. Input Short Circuit Current (A)		4 × 25	
Number of MPP Trackers		4	
Number of Inputs per MPPT		1	
<b>Output</b>			
Max. Continuous Output Power (VA)	1600	1800	2000
Nominal Output Voltage (V)		1 / N / PE, 220 / 230 / 240	
Output Voltage Range (V) <sup>1</sup>		180 ~ 275	
Nominal Output Frequency (Hz)		50 / 60	
AC Grid Frequency Range (Hz) <sup>1</sup>		50 / 60 ±5	
Max. Continuous Output Current (A)	7.27@220V 6.96@230V 6.67@240V	8.18@220V 7.83@230V 7.50@240V	9.09@220V 8.70@230V 8.33@240V
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion		<3%	
Max. Units Per 4mm <sup>2</sup> Branch <sup>2</sup>		2	
Max. Units Per 6mm <sup>2</sup> Branch <sup>2</sup>		4	
<b>Efficiency</b>			
Max. Efficiency		96.4%	
Nominal MPPT Efficiency		99.8%	
Night Power Consumption (W)		0.05	
<b>General Data</b>			
Operating Temperature Range (°C) <sup>3</sup>		-40 ~ +65	
Derating temperature (°C)		45	
Storage Temperature (°C)		-40 ~ +85	
Cooling Method		Natural convection	
Weight (kg)		6	
Dimensions (W × H × D mm)		330.5 × 266.7 × 42.5	
Ingress Protection Rating		IP67	
DC Connector		Staubli MC4	
<b>Features</b>			
Communication		Built-in Wi-Fi and Bluetooth	
Topology		Galvanically Isolated HF Transformer	
Monitoring		SEMS	
Protection		PV Insulation Resistance Detection, PV Reverse Polarity Protection, Anti-islanding Protection, AC Overcurrent Protection, AC Short Circuit Protection, AC Overvoltage Protection, Type III AC Surge Arrester	
Warranty		12 Years Standard; 25 Years Optional	
Compliance		EN 62109-1:2010, EN 62109-2:2011, IEC 62109-1:2010, IEC 62109-2:2011, UTE C15-712-1:2013, DIN VDE 0126-1-1:2013, ENIEC 61000-6-3:2021, EN 61000-6-3:2007+A1:2011+AC:2012, ENIEC 61000-6-4:2019, EN 61000-6-4:2007+A1:2011, AS/NZS 61000.6.3:2012, AS/NZS 61000.6.4:2020, BS EN IEC 61000-6-3:2021, BS EN 61000-6-3:2007+A1:2011, BS ENIEC 61000-6-4:2019, BS EN 61000-6-4:2007+A1:2011, EN 61000-2-2:2002+A2:2019, IEC 61000-2-2:2018(ed.2.2), EN IEC 61000-6-1:2019, EN 61000-6-1:2007, EN IEC 61000-6-2:2019, EN 61000-6-2:2005+AC:2005, BS ENIEC 61000-6-1:2019, BS EN IEC 61000-6-2:2019	

\*1: Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

\*2: Limits may vary. Refer to local requirements to define the number of micro inverters per branch in your area.

\*3: The inverter may enter to power de-grade mode under poor ventilation and heat dissipation installation environment.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

# RESIDENTIAL

# ENERGY STORAGE PRODUCTS



## Inverter

- ES G2
- SBP G2
- ES Uniq
- EH PLUS+
- ET PLUS+
- BT
- ET G2
- ET
- ESA

## Battery

- Lynx A G2
- Lynx U
- Lynx D
- Lynx F PLUS+
- Lynx F G2

## EV Charger

- HCA Series

# ES G2 Series

3-6kW | Single Phase | 2 MPPTs  
Hybrid inverter (LV)

The GoodWe ES G2 inverter, ranging from 3 to 6kW, is a single-phase hybrid inverter designed to increase self-consumption of the generated solar energy, with the ability to control the flow of energy intelligently. The inverter can automatically realize UPS-level switching to the back-up mode in less than 10ms, with strong backup ability to withstand heavy loads like air conditioners. Its smart design also offers great flexibility for demanding scenarios as it supports parallel connection for dependable backup power supply. Featured with plug-and-play, compact design, and minimal weight, PV installations are quicker and easier to complete than ever before. Importantly, ES G2 is compatible with a wide range of low voltage batteries such as GoodWe Lynx Home U battery. For homeowners looking to achieve a high degree of energy autonomy, reliable power supply and affordable energy prices, the ES G2 is the right choice.



## Smart Control & Monitoring

- Smart load control with dry contacts
- Smart home integration with multi-protocol communications



## Superb Safety & Reliability

- Optional AFCI on DC side<sup>1</sup>
- Remote Shutdown



## Friendly & Thoughtful Design

- Plug & Play
- Elegant and compact design



## Flexible & Adaptable Applications

- Maximum 16A DC input current per string and high-power module compatibility
- Strong backup power supply

# ES G2 Series

GOODWE

Technical Data	GW3000-ES-20	GW3600-ES-20	GW3600M-ES-20	GW5000-ES-20	GW5000M-ES-20	GW6000-ES-20	GW6000M-ES-20
<b>Battery Input Data</b>							
Battery Type <sup>1</sup>	Li-Ion						
Nominal Battery Voltage (V)	48						
Battery Voltage Range (V)	40 ~ 60						
Max. Continuous Charging Current (A) <sup>1</sup>	60	75	60	120	60	120	60
Max. Continuous Discharging Current (A) <sup>1</sup>	60	75	60	120	60	120	60
Max. Charge Power (W) <sup>1</sup>	3000	3600	3000	5000	3000	6000	3000
Max. Discharge Power (W)	3200	3900	3200	5300	3200	6300	3200
<b>PV String Input Data</b>							
Max. Input Power (W) <sup>2</sup>	4500	5400	5400	7500	7500	9000	9000
Max. Input Voltage (V)	600						
MPPT Operating Voltage Range (V)	60 ~ 550						
Start-up Voltage (V)	58						
Nominal Input Voltage (V)	360						
Max. Input Current per MPPT (A)	16						
Max. Short Circuit Current per MPPT (A)	23						
Number of MPP Trackers	1	2	2	2	2	2	2
Number of Strings per MPPT	1						
<b>AC Output Data (On-grid)</b>							
Nominal Apparent Power Output to Utility Grid (VA)	3000	3680	3680	5000 <sup>3</sup>	5000 <sup>3</sup>	6000 <sup>3</sup>	6000 <sup>3</sup>
Max. Apparent Power Output to Utility Grid (VA)	3000	3680	3680	5000 <sup>3</sup>	5000 <sup>3</sup>	6000 <sup>3</sup>	6000 <sup>3</sup>
Max. Apparent Power from Utility Grid (VA)	6000	7360	3680	10000	5000	10000	6000
Nominal Output Voltage (V)	220 / 230 / 240						
Nominal AC Grid Frequency (Hz)	50 / 60						
Max. AC Current Output to Utility Grid (A)	13.6	16.7	16.7	22.7	22.7	27.3	27.3
Max. AC Current From Utility Grid (A)	27.3	33.5	16.7	43.5	22.7	43.5	27.3
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)						
Max. Total Harmonic Distortion	<3%						
<b>AC Output Data (Back-up)</b>							
Back-up Nominal Apparent Power (VA)	3000	3680	3680	5000	5000	6000	6000
Max. Output Apparent Power (VA)	3000 (6000@10sec)	3680 (7360@10sec)	3680	5000 (10000@10sec)	5000	6000 (10000@10sec)	6000
Max. Output Current (A)	13.6	16.7	16.7	22.7	22.7	27.3	27.3
Nominal Output Voltage (V)	220 / 230 / 240						
Nominal Output Frequency (Hz)	50 / 60						
Output THDv (@Linear Load)	<3%						
<b>Efficiency</b>							
Max. Efficiency	97.6%						
European Efficiency	96.7%						
Max. Battery to AC Efficiency	95.5%						
MPPT Efficiency	99.9%						
<b>Protection</b>							
PV String Current Monitoring	Integrated						
PV Insulation Resistance Detection	Integrated						
Residual Current Monitoring	Integrated						
PV Reverse Polarity Protection	Integrated						
Anti-islanding Protection	Integrated						
AC Overcurrent Protection	Integrated						
AC Short Circuit Protection	Integrated						
AC Overvoltage Protection	Integrated						
DC Switch	Integrated						
DC Surge Protection	Type II						
AC Surge Protection	Type III						
AFCI	Optional						
Remote Shutdown	Integrated						
<b>General Data</b>							
Operating Temperature Range (°C)	-25 ~ +60						
Relative Humidity	0 ~ 95%						
Max. Operating Altitude (m)	3000 (>2000 Derating)						
Cooling Method	Natural Convection						
Display	LED, WLAN + APP						
Communication with BMS	CAN						
Communication with Meter	RS485						
Communication with Portal	WiFi / WiFi + LAN / 4G						
Weight (kg)	19.6	20.8	20.0	21.5	20.0	21.5	20.0
Dimension (W x H x D mm)	505.9 x 434.9 x 154.8						
Topology	Non-isolated						
Self-consumption at Night (W)	<10						
Ingress Protection Rating	IP65						
Mounting Method	Wall Mounted						

<sup>1</sup>: The actual charge and discharge current / power also depends on the battery.

<sup>2</sup>: The max power is the actual power of PV. Besides, in Australia, for most of the PV module, the max. input power can achieve 2\*Pn, Such as the max. input power of GW3000-ES-20 can achieve 6000W.

<sup>3</sup>: 4600 for VDE-AR-N4105 & NRS 097-2-1.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

1: Optional functions or devices are purchased separately.

# SBP G2 Series

3.6-6kW | Single Phase  
AC-coupled retrofit inverter (LV)

The GoodWe SBP G2 Series is an AC-coupled retrofit solution, which is able to upgrade an existing single-phase or three-phase on-grid PV system into an energy storage system by adding a battery. The inverter is compatible with low-voltage batteries ranging from 40 to 60V and allows surplus electricity to be stored in the battery for later use. The integrated plug-and-play solution, compact design, and minimal weight simplify its installation, operation, and maintenance. Importantly, the inverter can automatically realize UPS-level switching to the back-up mode in less than 10ms, ensuring a stable and reliable power supply. An all-round intelligent system for optimized power usage and maximized return on investment.



## Smart Control & Monitoring

- <10ms UPS-level switching
- Smart home integration with multi-protocol communications



## Friendly & Thoughtful Design

- Plug & Play
- Elegant and compact design



## Superb Safety & Reliability

- IP65 ingress protection
- Remote Shutdown



## Flexible & Adaptable Applications

- AC-coupled battery storage retrofit solution
- Suitable for both single-phase & three-phase systems

## SBP G2 Series

GOODWE

Technical Data	GW3600-SBP-20	GW5000-SBP-20	GW6000-SBP-20
<b>Battery Input Data</b>			
Battery Type <sup>1</sup>		Li-Ion	
Nominal Battery Voltage (V)		48	
Battery Voltage Range (V)		40 ~ 60	
Start-up Voltage (V)		40	
Number of Battery Input		1	
Max. Continuous Charging Current (A) <sup>1</sup>	75	120	120
Max. Continuous Discharging Current (A) <sup>1</sup>	75	120	120
Max. Charging Power (W) <sup>1</sup>	3600	5000	6000
Max. Discharging Power (W)	3900	5300	6300
<b>AC Output Data (On-grid)</b>			
Nominal Output Power (W)	3680	5000	6000
Nominal Apparent Power Output to Utility Grid (VA)	3680	5000 <sup>2</sup>	6000 <sup>2</sup>
Max. Apparent Power Output to Utility Grid (VA)	3680	5000 <sup>2</sup>	6000 <sup>2</sup>
Max. Apparent Power from Utility Grid (VA)	7360	10000	10000
Nominal Output Voltage (V)		220 / 230 / 240	
Nominal AC Grid Frequency (Hz)		50 / 60	
Max. AC Current Output to Utility Grid (A)	16.7	22.7	27.3
Max. AC Current From Utility Grid (A)	33.5	43.5	43.5
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion		<3%	
<b>AC Output Data (Back-up)</b>			
Back-up Nominal Apparent Power (VA)	3680	5000	6000
Max. Output Apparent Power without Grid (VA)	3680 (7360@10sec)	5000 (10000@10sec)	6000 (10000@10sec)
Max. Output Apparent Power with Grid (VA)	3680	5000	6000
Max. Output Current (A)	16.7	22.7	27.3
Nominal Output Voltage (V)		220 / 230 / 240	
Nominal Output Frequency (Hz)		50 / 60	
Output THDv (@Linear Load)		<3%	
<b>Efficiency</b>			
Max. Battery to AC Efficiency		95.5%	
<b>Protection</b>			
Residual Current Monitoring		Integrated	
Anti-islanding Protection		Integrated	
AC Overcurrent Protection		Integrated	
AC Short Circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
AC Surge Protection		Type III	
Remote Shutdown		Integrated	
<b>General Data</b>			
Operating Temperature Range (°C)		-25 ~ +60	
Relative Humidity		0 ~ 95%	
Max. Operating Altitude (m)		3000 (>2000 derating)	
Cooling Method		Natural Convection	
User Interface		LED, WLAN + APP	
Communication with BMS		CAN	
Communication with Meter		RS485	
Communication with Portal		WiFi / WiFi + LAN / 4G	
Weight (kg)	19.2	19.5	19.5
Dimension (W x H x D mm)		505.9 x 434.9 x 154.8	
Topology		Isolated	
Self-consumption at Night (W)		<10	
Ingress Protection Rating		IP65	
Mounting Method		Wall Mounted	

\*1: The actual charge and discharge current / power also depends on the battery.

\*2: 4600 for VDE-AR-N4105 & NRS 097-2-1.

\*: Please visit GoodWe website for the latest certificates.

# ES Uniq Series

8-12kW | Single Phase | 2 MPPTs  
Hybrid Inverter (HV)

The ES Uniq Series is a dedicated single-phase hybrid inverter engineered for residential applications, delivering cost-effective energy storage solutions with capacities of 8, 10, and 12kW. This inverter is designed to work seamlessly with 182mm modules, providing a 200% oversizing capacity. Crucially, it can manage up to a 200% overload, ensuring dependable performance, especially during peak usage. It facilitates the parallel connection of up to 16 inverters for both on-grid and off-grid operations, making it well-suited for expanding energy requirements. Moreover, the ES Uniq inverter facilitates generator management and allows for the storage of energy generated by generators.



## Flexible & Adaptable Applications

- Integrated generator control and energy storage functionality
- Parallel connection capability for on-grid and off-grid operations



## Superb Safety & Reliability

- Optional AFCI<sup>1</sup>
- IP65 ingress protection



## Higher Power Generation

- Max. 16A DC input current per string
- Up to 200% DC input oversizing



## Smart Control & Monitoring

- Smart load control
- Backup with UPS-level switching <10ms

<sup>1</sup>: Optional functions or devices are purchased separately.

Technical Data	GW8000-ES-C10	GW10K-ES-C10	GW12K-ES-C10
<b>Battery Input Data</b>			
Battery Type	Li-Ion		
Nominal Battery Voltage (V)	48		
Battery Voltage Range (V)	40 ~ 60		
Max. Continuous Charging Current (A)	160	200	240
Max. Continuous Discharging Current (A) <sup>1</sup>	160 (176 at 10min)	200 (220 at 10min)	240 (264 at 10min)
Max. Charging Power (W)	8000	10000	12000
Max. Discharging Power (W)	8800	11000	13200
<b>PV String Input Data</b>			
Max. Input Power (W)	16000	20000	24000
Max. Input Voltage (V)	600		
MPPT Operating Voltage Range (V)	60 ~ 550		
Start-up Voltage (V)	58		
Nominal Input Voltage (V)	360		
Max. Input Current per MPPT (A) <sup>2</sup>	32 / 16	32 / 32	32 / 32
Max. Short Circuit Current per MPPT (A)	48 / 24	48 / 48	48 / 48
Number of MPP Trackers	2		
Number of Strings per MPPT	2 / 1	2 / 2	2 / 2
<b>AC Output Data (On-grid)</b>			
Nominal Apparent Power Output to Utility Grid (VA)	8000	10000	12000
Max. Apparent Power Output to Utility Grid (VA)	8800	11000	13200
Max. Apparent Power from Utility Grid (VA)	16500	16500	16500
Nominal Output Voltage (V)	220 / 230 / 240		
Output Voltage Range (V)	170 ~ 280		
Nominal AC Grid Frequency (Hz)	50 / 60		
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65		
Max. AC Current Output to Utility Grid (A)	40	50	60
Max. AC Current From Utility Grid (A)	75		
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
<b>AC Output Data (Back-up)</b>			
Back-up Nominal Apparent Power (VA)	8000	10000	12000
Max. Output Apparent Power (VA)	8800 (16000 at 10s)	11000 (20000 at 10s)	13200 (24000 at 10s)
Max. Output Current (A)	40	50	60
Nominal Output Voltage (V)	220 / 230 / 240		
Nominal Output Frequency (Hz)	50 / 60		
Output THDv (@Linear Load)	<3%		
<b>AC Data (Generator)</b>			
Nominal Apparent Power from AC generator (VA)	8000	10000	12000
Max. Apparent Power from AC generator (VA)	11000	12000	12000
Nominal Output Voltage (V)	220 / 230 / 240		
Output Voltage Range (V)	170 ~ 280		
Nominal AC generator Frequency (Hz)	50 / 60		
AC generator Frequency Range (Hz)	45 ~ 55 / 55 ~ 65		
Max. AC Current From AC generator (A)	50.0	54.5	54.5
Nominal AC Current From AC generator (A)	36.4 / 34.8 / 33.3	45.5 / 43.5 / 41.7	54.5 / 52.2 / 50.0
Nominal Output Current (A)	36.4 / 34.8 / 33.3	45.5 / 43.5 / 41.7	54.5 / 52.2 / 50.0
<b>Efficiency</b>			
Max. Efficiency	97.6%		
European Efficiency	96.2%		
Max. Battery to AC Efficiency	95.5%		
MPPT Efficiency	99.9%		
<b>Protection</b>			
PV String Current Monitoring	Integrated		
PV Insulation Resistance Detection	Integrated		
Residual Current Monitoring	Integrated		
PV Reverse Polarity Protection	Integrated		
Anti-islanding Protection	Integrated		
AC Overcurrent Protection	Integrated		
AC Short Circuit Protection	Integrated		
AC Overvoltage Protection	Integrated		
DC Switch	Integrated		
DC Surge Protection	Type III		
AC Surge Protection	Type III		
AFCI	Optional		
Remote Shutdown	Integrated		
<b>General Data</b>			
Operating Temperature Range (°C)	-35 ~ +60		
Relative Humidity	0 ~ 95%		
Max. Operating Altitude (m)	3000		
Cooling Method	Smart Fan Cooling		
User Interface	LED, WLAN + APP		
Communication with BMS	CAN		
Communication with Meter	RS485		
Communication with Portal	LAN / WiFi		
Weight (kg)	29		
Dimension (W x H x D mm)	560 x 444.5 x 226		
Topology	Non-isolated		
Ingress Protection Rating	IP65		
Mounting Method	Wall Mounted		

<sup>1</sup>: The max. transient discharging current is especially based on the off-grid scenario.  
<sup>2</sup>: As for mppt with two strings of pv module, the maximum input current of per string is 16A.

\*: Please visit GoodWe website for the latest certificates.  
 \*: All pictures shown are for reference only. Actual appearance may vary.



# EH PLUS+ Series

3.6-6kW | Single Phase  
2 MPPTs | Battery Ready (HV)

The EH Series is an energy storage inverter that is compatible with high voltage Li-Ion batteries ranging from 85 to 460V to provide a highly flexible system design. Its "Battery Ready" design provides a future-proof solution for users who may want to add battery storage in the future, simply by purchasing an activation code. Designed as a highly adaptable and flexible option for residential PV systems, the inverter has its maximum DC input current reached 16A for each string and combines well with high-power PV modules. Featuring UPS-level switching (switching time <10ms) and peak shaving, EH Series ensures a stable and reliable power supply.



## Smart Control for Smart Energy

- <10ms UPS-level switching
- Peak shaving



## Superb Safety & Reliability

- Built-in Type II SPD on DC side
- IP65 ingress protection



## Friendly & Thoughtful Design

- Fanless cooling for quiet operation
- Pre-wired communication cables



## Flexible & Adaptable Applications

- Battery ready option
- Maximum 16A DC input current per string

# EH PLUS+ Series

GOODWE

Technical Data	GW3600N-EH	GW5000N-EH	GW6000N-EH
<b>Battery Input Data</b>			
Battery Type		Li-Ion	
Nominal Battery Voltage (V)		350	
Battery Voltage Range (V)		85 ~ 460	
Start-up Voltage (V)		85	
Number of Battery Input		1	
Max. Continuous Charging Current (A)		25	
Max. Continuous Discharging Current (A)		25	
Max. Charging Power (W)		6000	
Max. Discharging Power (W)	3600	5000	6000
<b>PV String Input Data</b>			
Max. Input Power (W) <sup>1</sup>	5400	7500	9000
Max. Input Voltage (V)		580	
MPPT Operating Voltage Range (V)		100 ~ 550	
Start-up Voltage (V)		85	
Nominal Input Voltage (V)		380	
Max. Input Current per MPPT (A)		16	
Max. Short Circuit Current per MPPT (A)		21.2	
Number of MPP Trackers		2	
Number of Strings per MPPT		1	
<b>AC Output Data (On-grid)</b>			
Nominal Output Power (W)	3600	5000	6000
Nominal Apparent Power Output to Utility Grid (VA) <sup>3</sup>	3600	5000	6000
Max. Apparent Power Output to Utility Grid (VA) <sup>3</sup>	3600 / 3960 <sup>2</sup>	5000 / 5500 <sup>2</sup>	6000 / 6600 <sup>2</sup>
Max. Apparent Power from Utility Grid (VA)	7200 (Charging 3.6kW, Backup Output 3.6kW)	10000 (Charging 5kW, Backup Output 5kW)	12000 (Charging 6kW, Backup Output 6kW)
Nominal Output Voltage (V)		230 / 220 <sup>6</sup>	
Nominal AC Grid Frequency (Hz)		50 / 60	
Max. AC Current Output to Utility Grid (A)	16 / 18 <sup>2</sup>	21.7 / 24 <sup>2</sup>	26.1 / 28.7 <sup>2</sup> / 27.3 <sup>7</sup>
Max. AC Current From Utility Grid (A)	32	43.4	52.2
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion		<3%	
<b>AC Output Data (Back-up)</b>			
Back-up Nominal Apparent Power (VA)	3600	5000	6000
Max. Output Apparent Power without Grid (VA)	3600 (4320@60sec)	5000 (6000@60sec)	6000 (7200@60sec)
Max. Output Apparent Power with Grid (VA)	3600	5000	6000
Max. Output Current (A)	15.7	21.7	26.1
Nominal Output Voltage (V)		230 (±2%)	
Nominal Output Frequency (Hz)		50 / 60 (±0.2%)	
Output THDv (@Linear Load)		<3%	
<b>Efficiency</b>			
Max. Efficiency		97.6%	
European Efficiency		97.0%	
Max. Battery to AC Efficiency		96.6%	
MPPT Efficiency		99.9%	
<b>Protection</b>			
PV String Current Monitoring		Integrated	
PV Insulation Resistance Detection		Integrated	
Residual Current Monitoring		Integrated	
PV Reverse Polarity Protection		Integrated	
Battery Reverse Polarity Protection		Integrated	
Anti-islanding Protection		Integrated	
AC Overcurrent Protection		Integrated	
AC Short Circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
DC Switch		Integrated	
DC Surge Protection		Type II	
AC Surge protection		Type III	
Remote Shutdown		Integrated	
<b>General Data</b>			
Operating Temperature Range (°C)		-25 ~ +60	
Relative Humidity		0 ~ 95%	
Max. Operating Altitude (m)		3000 <sup>8</sup>	
Cooling Method		Natural Convection	
User Interface		LED, APP	
Communication with BMS <sup>4</sup>		RS485, CAN	
Communication with Meter		RS485	
Communication with Portal		WiFi / Ethernet (Optional)	
Weight (kg)		17	
Dimension (W x H x D mm)		354 x 433 x 147	
Topology		Non-isolated	
Self-consumption at Night (W) <sup>5</sup>		<10	
Ingress Protection Rating		IP65	
Mounting Method		Wall Mounted	

<sup>1</sup>: In Australia, for most of the PV module, the max. input power can achieve 2\*Pn. Such as the max. input power of GW3600N-EH can achieve 7200W.

<sup>2</sup>: For CEI 0-21.

<sup>3</sup>: The grid feed in power for VDE-AR-N 4105 and NRS097-2-1 is limited 4600VA.

<sup>4</sup>: CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.

<sup>5</sup>: No Back-up Output.

<sup>6</sup>: For Brazil, the voltage is 220V.

<sup>7</sup>: For Brazil, the current is 27.3A.

<sup>8</sup>: 2000m for Australia.

\*: Please visit GoodWe website for the latest certificates.

# ET PLUS+ Series 16A

5-10kW | Three Phase Hybrid Inverter

ET PLUS+ Series integrates the technical strengths that make it one of the most adaptive options in the market for flexible residential needs. The series brings values of high power generation and charging power for optimal energy harvest, flexible applications enabled by smart load control and 100% unbalanced output, and sustainable system reliability and safety. It also presents peak shaving that balances power demand and grid power imported, to effectively reduce extra grid demand. Furthermore, thanks to dry contact in the inverter, external loads such as heat pumps can also be flexibly activated to optimize energy consumption. It is a truly versatile quality investment piece that extends application scenarios and maximizes self-consumption ratios.



## Smart Control for Smart Energy

- Smart load control
- Peak shaving



## Superb Safety & Reliability

- In-built Type II SPD on DC side
- IP66 ingress protection



## Friendly & Thoughtful Design

- Fanless cooling for quiet operation
- Elegant and compact design



## Flexible & Adaptable Applications

- Battery ready option
- Maximum 16A DC input current per string

# ET PLUS+ Series 16A

GOODWE

Technical Data	GW5KN-ET	GW6.5KN-ET	GW8KN-ET	GW10KN-ET
<b>Battery Input Data</b>				
Battery Type	Li-Ion			
Nominal Battery Voltage (V)	500			
Battery Voltage Range (V)	180 ~ 600			
Start-up Voltage (V)	180			
Number of Battery Input	1			
Max. Continuous Charging Current (A)	25	25	25	25
Max. Continuous Discharging Current (A)	25	25	25	25
Max. Charging Power (W)	7500	8450	9600	10000
Max. Discharging Power (W)	7500	8450	9600	10000
<b>PV String Input Data</b>				
Max. Input Power (W)	7500	9700	12000	15000
Max. Input Voltage (V) <sup>1</sup>	1000			
MPPT Operating Voltage Range (V) <sup>2</sup>	200 ~ 850			
Start-up Voltage (V)	180			
Nominal Input Voltage (V)	620			
Max. Input Current per MPPT (A)	16			
Max. Short Circuit Current per MPPT (A)	21.2			
Number of MPP Trackers	2			
Number of Strings per MPPT	1			
<b>AC Output Data (On-grid)</b>				
Nominal Output Power (W)	5000	6500	8000	10000
Nominal Apparent Power Output to Utility Grid (VA)	5000	6500	8000	10000
Max. Apparent Power Output to Utility Grid (VA) <sup>2,4,7</sup>	5500	7150	8800	11000
Max. Apparent Power from Utility Grid (VA)	10000	13000	15000	15000
Max. Apparent Power Output to Utility Grid (VA) <sup>2</sup>	5000	6500	8000	10000
Nominal Output Voltage (V)	400 / 380, 3L / N / PE			
Output Voltage Range (V)	0 ~ 300			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	45 ~ 65			
Max. AC Current Output to Utility Grid (A)	8.5	10.8	13.5	16.5
Max. AC Current From Utility Grid (A)	15.2	19.7	22.7	22.7
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>AC Output Data (Back-up)</b>				
Back-up Nominal Apparent Power (VA)	5000	6500	8000	10000
Max. Output Apparent Power without Grid (VA) <sup>3</sup>	5000 (10000@60sec)	6500 (13000@60sec)	8000 (16000@60sec)	10000 (16500@60sec)
Max. Output Apparent Power with Grid (VA) <sup>3</sup>	5000	6500	8000	10000
Max. Output Current (A)	8.5	10.8	13.5	16.5
Nominal Output Voltage (V)	400 / 380			
Nominal Output Frequency (Hz)	50 / 60			
Output THDv (@Linear Load)	<3%			
<b>Efficiency</b>				
Max. Efficiency	98.0%	98.0%	98.2%	98.2%
European Efficiency	97.2%	97.2%	97.5%	97.5%
Max. Battery to AC Efficiency	97.5%			
MPPT Efficiency	99.9%			
<b>Protection</b>				
PV Insulation Resistance Detection	Integrated			
Residual Current Monitoring	Integrated			
PV Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
DC Switch	Integrated			
DC Surge Protection	Type II			
AC Surge Protection	Type III			
Remote Shutdown	Integrated			
<b>General Data</b>				
Operating Temperature Range (°C)	-35 ~ +60			
Relative Humidity	0 ~ 95%			
Max. Operating Altitude (m)	4000			
Cooling Method	Natural Convection			
User Interface	LED, APP			
Communication with BMS <sup>5</sup>	RS485, CAN			
Communication with Meter	RS485			
Communication with Portal	WiFi / WiFi + LAN (Optional) / 4G (Optional)			
Weight (kg)	24			
Dimension (W x H x D mm)	415 x 516 x 180			
Topology	Non-isolated			
Self-consumption at Night (W) <sup>6</sup>	<15			
Ingress Protection Rating	IP66			
Mounting Method	Wall Mounted			

\*1: For 1000V system, maximum operating voltage is 950V.

\*2: According to the local grid regulation.

\*3: Can be reached only if PV and battery power is enough.

\*4: For Chile Max. Apparent Power Output to Utility Grid (VA) and Max. Output Power (W): GW5KL(N)-ET is 5000; GW6KL-ET is 6000; GW6.5KN-ET is 6500; GW8KL(N)-ET is 8000; GW10KL(N)-ET is 10000.

\*5: CAN communication is configured default. If RS485 communication is used, please replace the corresponding communication line.

\*6: No back-up output.

\*7: For Austria, Max. Output Power (W): GW5KN-ET is 5000; GW6.5KN-ET is 6500; GW8KN-ET is 8000; GW10KN-ET is 10000.

\*: Please visit GoodWe website for the latest certificates.

# BT Series

5-10kW | Three phase  
AC-coupled retrofit inverter (HV)

The GoodWe BT Series is an AC-coupled retrofit inverter, which is able to upgrade existing three-phase on-grid PV systems to storage systems. The AC-coupled solution can transform any three-phase on-grid PV system into an energy storage system with batteries, enhancing grid independence and self-consumption. It is compatible with high voltage Li-Ion batteries ranging from 180 to 600V and is also equipped with UPS-level switching for a stable and reliable power supply.



## Smart Control & Monitoring

- <10ms UPS-level switching
- Smart home integration with multi-protocol communications



## Superb Safety & Reliability

- IP66 ingress protection
- Quality and robust components



## Friendly & Thoughtful Design

- Fanless cooling for quiet operation
- Elegant and compact design



## Flexible & Adaptable Applications

- 110% AC output overloading
- Wide battery voltage range 180 ~ 600V

# BT Series

GOODWE

Technical Data	GW5K-BT	GW6K-BT	GW8K-BT	GW10K-BT
<b>Battery Input Data</b>				
Battery Type	Li-Ion			
Nominal Battery Voltage (V)	500			
Battery Voltage Range (V)	180 ~ 600			
Start-up Voltage (V)	180			
Number of Battery Input	1			
Max. Continuous Charging Current (A)	25			
Max. Continuous Discharging Current (A)	25			
Max. Charging Power (W)	5000	6000	8000	10000
Max. Discharging Power (W)	5000	6000	8000	10000
<b>AC Output Data (On-grid)</b>				
Nominal Output Power (W)	5000	6000	8000	10000
Nominal Apparent Power Output to Utility Grid (VA)	5000	6000	8000	10000
Max. Apparent Power Output to Utility Grid (VA) <sup>*1,5</sup>	5500	6600	8800	11000
Max. Apparent Power from Utility Grid (VA)	10000	12000	15000	15000
Output Voltage Range (V)	0 ~ 300			
Nominal Output Voltage (V)	400 / 380, 3L / N / PE			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	45 ~ 55			
Max. AC Current Output to Utility Grid (A)	8.5	10.5	13.5	16.5
Max. AC Current From Utility Grid (A)	15.2	18.2	22.7	22.7
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>AC Output Data (Back-up)</b>				
Back-up Nominal Apparent Power (VA)	5000	6000	8000	10000
Max. Output Apparent Power without Grid (VA) <sup>*2</sup>	5000 (10000@60sec)	6000 (12000@60sec)	8000 (15000@60sec)	10000 (15000@60sec)
Max. Output Apparent Power with Grid (VA)	5000	6000	8000	10000
Max. Output Current (A)	8.5	10.5	13.5	16.5
Nominal Output Voltage (V)	400 / 380, 3L / N / PE			
Nominal Output Frequency (Hz)	50 / 60			
Output THDv (@Linear Load)	<3%			
<b>Efficiency</b>				
Max. Efficiency	97.6%			
European Efficiency	97.2%	97.2%	97.5%	97.5%
Max. Battery to AC Efficiency	97.6%			
<b>Protection</b>				
PV Insulation Resistance Detection	Integrated			
Residual Current Monitoring	Integrated			
Battery Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
<b>General Data</b>				
Operating Temperature Range (°C)	-35 ~ +60			
Relative Humidity	0 ~ 95%			
Max. Operating Altitude (m)	4000			
Cooling Method	Natural Convection			
User Interface	LED, APP			
Communication with BMS <sup>*3</sup>	RS485, CAN			
Communication with Meter	RS485			
Communication with Portal	WiFi, LAN			
Weight (kg)	21			
Dimension (W x H x D mm)	415 x 516 x 180			
Topology	Non-isolated			
Self-consumption at Night (W) <sup>*4</sup>	<15			
Ingress Protection Rating	IP66			
Mounting Method	Wall Mounted			

\*1: According to the local grid regulation.

\*2: Can be reached only if battery capacity is enough, otherwise will shut down.

\*3: CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.

\*4: No Back-up Output.

\*5: For Chile Max. Apparent Power Output to Utility Grid (VA) and Max. Output Power (W): GW5K-BT is 5000; GW6K-BT is 6000; GW8K-BT is 8000; GW10K-BT is 10000.

\*: Peak output apparent power can be reached only if PV and battery power is enough.

\*: Please visit GoodWe website for the latest certificates

# ET G2 Series

6-15kW | Three Phase | Up to 3 MPPTs  
Hybrid Inverter (HV)

The ET G2 Series is the latest iteration of the ET Series and has been specially designed to accommodate households' increasing demand for electricity consumption while delivering additional benefits that cater to flexible residential needs.

This inverter features an elegant and sleek design that can harmonize beautifully with the house's aesthetic. With the addition of 12kW and 15kW higher power capacities, the ET G2 is now equipped to deliver even more powerful generation, allowing for optimal energy harvesting. It supports parallel connections with up to 6 units, ideal for expanding energy needs. Additionally, smart load control, 100% unbalanced output, and a focus on system reliability and safety enable versatile and sustainable applications.

COMING SOON



## Smart Control & Monitoring

- Integrated dry contact for external loads
- Backup with UPS-level switching <10ms
- Peak shaving



## Friendly & Thoughtful Design

- Plug & Play installations
- Elegant and compact design



## Superb Safety & Reliability

- Integrated AFCI
- IP66 ingress protection
- Type II SPD on DC & AC sides



## Flexible & Adaptable Applications

- Maximum 16A DC input current per string
- Up to 160% DC input oversizing
- Parallel connection capability for increased output power

## ET G2 Series

GOODWE

Technical Data	GW6000-ET-20	GW8000-ET-20	GW10K-ET-20	GW12K-ET-20	GW15K-ET-20
<b>Battery Input Data</b>					
Battery Type	Li-Ion				
Nominal Battery Voltage (V)	500				
Battery Voltage Range (V)	150 ~ 720				
Start-up Voltage (V)	150				
Number of Battery Input	1				
Max. Continuous Charging Current (A)	30	30	40	40	40
Max. Continuous Discharging Current (A)	30	30	40	40	40
Max. Charging Power (W)	9000	12000	15000	18000	24000
Max. Discharging Power (W)	6600	8800	11000	13200	16500
<b>PV String Input Data</b>					
Max. Input Power (W) <sup>1</sup>	9600	12800	16000	19200	24000
Max. Input Voltage (V) <sup>2</sup>	1000				
MPPT Operating Voltage Range (V)	120 ~ 850				
Start-up Voltage (V)	150				
Nominal Input Voltage (V)	620				
Max. Input Current per MPPT (A)	16				
Max. Short Circuit Current per MPPT (A)	24				
Number of MPP Trackers	2	2	3	3	3
Number of Strings per MPPT	1				
<b>AC Output Data (On-grid)</b>					
Nominal Output Power (W)	6000	8000	10000	12000	15000
Nominal Apparent Power Output to Utility Grid (VA)	6000	8000	10000	12000	15000
Max. Apparent Power Output to Utility Grid (VA) <sup>3</sup>	6000	8000	10000	12000	15000
Max. Apparent Power from Utility Grid (VA)	12000	16000	20000	20000	20000
Nominal Output Voltage (V)	400 / 380, 3L / N / PE				
Output Voltage Range (V) <sup>4</sup>	170 ~ 290				
Nominal AC Grid Frequency (Hz)	50 / 60				
AC Grid Frequency Range (Hz)	45 ~ 65				
Max. AC Current Output to Utility Grid (A) <sup>5</sup>	8.7	11.6	14.5	17.4	21.7
Max. AC Current From Utility Grid (A)	15.7	21.0	26.1	26.1	26.1
Power Factor	0.8 leading ~ 0.8 lagging				
Max. Total Harmonic Distortion	<3%				
<b>AC Output Data (Back-up)</b>					
Back-up Nominal Apparent Power (VA)	6000	8000	10000	12000	15000
Max. Output Apparent Power without Grid (VA)	6000	8000	10000	12000	15000
	(12000 at 60 sec) <sup>6</sup>	(16000 at 60 sec)	(18000 at 60 sec)	(18000 at 60 sec)	(18000 at 60 sec)
Max. Output Apparent Power with Grid (VA)	6000	8000	10000	12000	15000
Max. Output Current (A)	13.0 (17.4 at 60 sec)	17.4 (23.3 at 60 sec)	21.7 (26.1 at 60 sec)	21.7 (26.1 at 60 sec)	21.7 (26.1 at 60 sec)
Nominal Output Voltage (V)	400 / 380				
Nominal Output Frequency (Hz)	50 / 60				
Output THDv (@Linear Load)	<3%				
<b>Efficiency</b>					
Max. Efficiency	98.0%	98.0%	98.2%	98.2%	98.2%
European Efficiency	97.2%	97.2%	97.5%	97.5%	97.5%
Max. Battery to AC Efficiency	97.2%	97.5%	97.5%	97.5%	97.5%
MPPT Efficiency	99.5%				
<b>Protection</b>					
PV Insulation Resistance Detection	Integrated				
PV AFCI3.0	Integrated				
Residual Current Monitoring	Integrated				
PV Reverse Polarity Protection	Integrated				
Battery Reverse Polarity Protection	Integrated				
Anti-islanding Protection	Integrated				
AC Overcurrent Protection	Integrated				
AC Short Circuit Protection	Integrated				
AC Overvoltage Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	Type II				
AC Surge Protection	Type II				
Remote Shutdown	Integrated				
<b>General Data</b>					
Operating Temperature Range (°C)	-35 ~ +60				
Relative Humidity	0 ~ 100%				
Max. Operating Altitude (m)	4000				
Cooling Method	Natural Convection				
User Interface	LED, WLAN + APP				
Communication with BMS	RS485, CAN				
Communication with Meter	RS485				
Communication with Portal	LAN (4G optional) + Bluetooth + WiFi				
Weight (kg)	23	23	25	25	25
Dimension (W x H x D mm)	496 x 460 x 221				
Noise Emission (dB)	<30	<30	<30	<45	<45
Topology	Non-isolated				
Self-consumption at Night (W) <sup>7</sup>	<15				
Ingress Protection Rating	IP66				
Mounting Method	Wall Mounted				

\*1: Max. Input Power, not continuous for 1.6\*normal power. Besides, in Australia, for most of the PV module, the max. input power can achieve 2\*Pn, Such as the max. input power of GW6000-ET-20 can achieve 12000W.

\*2: For 1000V system, Maximum operating voltage is 950V.

\*3: According to the local grid regulation.

\*4: Output Voltage Range: phase voltage.

\*5: The Max. AC Current Output to on-grid load is 13A, 17.4A, 21.7A, 21.7A, 21.7A, 21.7A separately.

\*6: Can be reached only if PV and battery power is enough.

\*7: No Back-up Output.

\*: Please visit GoodWe website for the latest certificates.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

# ET Series

15-30kW | Three Phase  
Up to 3 MPPTs | Hybrid Inverter (HV)

GoodWe ET 15-30kW Series inverter is ideal for large residential or small commercial and industrial applications. As the core of the energy storage solution, the high-voltage inverters facilitate powerful energy backup and load management for optimized autonomy and reduced energy cost. The ET inverters also present peak shaving that balances power demand and grid power imported, to effectively reduce extra grid demand. Furthermore, thanks to dry contact in the inverter, external loads such as heat pumps can also be flexibly activated to optimize energy consumption. The series can be combined with a range of battery capacities and brands, including the GoodWe Lynx Home F.



## Smart Control & Monitoring

- Integrated dry contact for external loads
- Peak shaving



## Friendly & Thoughtful Design

- Elegant and compact design
- Plug & Play installations



## Superb Safety & Reliability

- Type II SPD on DC side
- AFCI optional<sup>1</sup>



## Flexible & Adaptable Applications

- Max. 15A DC input current per string
- Up to 150% DC input oversizing

1: Optional functions or devices are purchased separately.

# ET 15-30kW Series

GOODWE

Technical Data	GW15K-ET	GW20K-ET	GW25K-ET	GW29.9K-ET	GW30K-ET
<b>Battery Input Data</b>					
Battery Type				Li-Ion	
Nominal Battery Voltage (V)				500	
Battery voltage range (V)				200 ~ 800	
Start-up Voltage (V)				180	
Number of Battery Input	1	1	2	2	2
Max. Continuous Charging Current (A)	50	50	50 x 2	50 x 2	50 x 2
Max. Continuous Discharging Current (A)	50	50	50 x 2	50 x 2	50 x 2
Max. Charging Power (W)	15000	20000	25000	30000	30000
Max. Discharging Power (W)	15000	20000	25000	30000	30000
<b>PV String Input Data</b>					
Max. Input Power (W) <sup>1</sup>	22500	30000	37500	45000	45000
Max. Input Voltage (V) <sup>2</sup>			1000		
MPPT Operating Voltage Range (V)			200 ~ 850		
Start-up Voltage (V)			200		
Nominal Input Voltage (V)			620		
Max. Input Current per MPPT (A)			30		
Max. Short Circuit Current per MPPT (A)			38		
Number of MPP Trackers	2	2	3	3	3
Number of Strings per MPPT	2 / 2	2 / 2	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2
<b>AC Output Data (On-grid)</b>					
Nominal Output Power (W)	15000	20000	25000	29900	30000
Nominal Apparent Power Output to Utility Grid (VA)	15000	20000	25000	29900	30000
Max. Apparent Power Output to Utility Grid (VA) <sup>3,11</sup>	16500	22000	27500	29900	33000
Max. Apparent Power from Utility Grid (VA) <sup>9</sup>	15000	20000	25000	30000	30000
Nominal Output Voltage (V)			380 / 400, 3L / N / PE		
Output Voltage Range (V) <sup>4</sup>			0 ~ 300		
Nominal AC Grid Frequency (Hz)			50 / 60		
AC Grid Frequency Range (Hz)			45 ~ 65		
Max. AC Current Output to Utility Grid (A) <sup>8</sup>	23.9	31.9	39.9	43.3	47.8
Max. AC Current From Utility Grid (A) <sup>10</sup>	21.7	29.0	36.2	43.3	43.5
Power Factor			~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion			<3%		
<b>AC Output Data (Back-up)</b>					
Back-up Nominal Apparent Power (VA)	15000	20000	25000	29900	30000
Max. Output Apparent Power without Grid (VA) <sup>5</sup>	15000 (18000@60s, 24000@3s)	20000 (24000@60s, 32000@3s)	25000 (30000@60s)	30000 (36000@60s)	30000 (36000@60s)
Max. Output Apparent Power with Grid (VA)	15000	20000	25000	29900	30000
Max. Output Current (A)	22.7 (27.3@60s, 36.4@3s)	30.3 (36.4@60s, 48.5@3s)	37.9 (45.5@60s)	45.5 (54.5@60s)	45.5 (54.5@60s)
Nominal Output Voltage (V)			380 / 400		
Nominal Output Frequency (Hz)			50 / 60		
Output THDv (@Linear Load)			<3%		
<b>Efficiency</b>					
Max. Efficiency			98.0%		
European Efficiency			97.5%		
Max. Battery to AC Efficiency			97.5%		
MPPT Efficiency			99.9%		
<b>Protection</b>					
PV String Current Monitoring			Integrated		
PV Insulation Resistance Detection			Integrated		
Residual Current Monitoring			Integrated		
PV Reverse Polarity Protection			Integrated		
Battery Reverse Polarity Protection			Integrated		
Anti-islanding Protection			Integrated		
AC Overcurrent Protection			Integrated		
AC Short Circuit Protection			Integrated		
AC Overvoltage Protection			Integrated		
DC Switch <sup>6</sup>			Integrated		
DC Surge Protection			Type II		
AC Surge Protection			Type III		
AFCI			Optional		
Rapid Shutdown			Optional		
Remote Shutdown			Integrated		
<b>General Data</b>					
Operating Temperature Range (°C)			-35 ~ +60		
Relative Humidity			0 ~ 95%		
Max. Operating Altitude (m)			4000		
Cooling Method			Smart Fan Cooling		
User Interface			LED, WLAN + APP		
Communication with BMS			RS485 / CAN		
Communication with Meter			RS485		
Communication with Portal			WiFi / 4G		
Weight (kg)	48	48	54	54	54
Dimension (W x H x D mm)			520 x 660 x 220		
Noise Emission (dB)	<45	<45	<45	<60	<60
Topology			Non-isolated		
Self-consumption at Night (W) <sup>7</sup>			<15		
Ingress Protection Rating			IP66		
Mounting Method			Wall Mounted		

\*1: In Australia, for most of the PV module, the max. Input power can achieve 2\*Pn. Such as the max. input power of GW15K-ET can achieve 30000W. Besides, Max. Input Power, not continuous for 1.5\*normal power.

\*2: For 1000V system, Maximum operating voltage is 950V.

\*3: According to the local grid regulation.

\*4: Output Voltage Range: phase voltage.

\*5: Can be reached only if PV and battery power is enough.

\*6: DC Switch: GHX6-55P (for Australia).

\*7: No Back-up Output.

\*8: For 380V grid, the Max. AC Current Output to Utility Grid is 25.0A for GW15K-ET, 33.3A for GW20K-ET, 41.7A for GW25K-ET, 49.8A for GW29.9K-ET, 50.0A for GW30K-ET.

\*9: When the load is connected to the inverter's backup port, the Max. Apparent Power from Utility Grid can reach to 22.5K for GW15K-ET, 30K for GW20K-ET, 33K for GW25K-ET, 33K for GW29.9K-ET, and 33K for GW30K-ET respectively.

\*10: When the load is connected to the inverter's backup port, the Max. AC Current From Utility Grid can reach to 34A for GW15K-ET, 45A for GW20K-ET, 50A for GW25K-ET, 50A for GW29.9K-ET, and 50A for GW30K-ET respectively.

\*11: For Austria, Max. Output Power (W) is 15K for GW15K-ET, 20K for GW20K-ET, 25K for GW25K-ET, 29.9K for GW29.9K-ET, and 30K for GW30K-ET.

\*: For 380V grid, the Nominal Output Current is 22.7A for GW15K-ET, 30.3A for GW20K-ET, 37.9A for GW25K-ET, 45.3A for GW29.9K-ET, 45.5A for GW30K-ET.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

# ESA Series

5kW+10.8kWh | Single phase  
Home storage solution (LV)

GoodWe ESA Series is an all-in-one solar and storage solution that integrates the inverter, battery charger, UPS-level switching, and battery enclosure into a pre-wired modular system for easier and faster installation. The compact, elegantly designed, and robust unit is IP65 rated, so it can be mounted either inside or outside withstanding all weather conditions and brings a reduction of installation time of up to 50%.



## ESA Series (14A)

GOODWE

Technical Data	GW5048-ESA
<b>Battery Enclosure Data</b>	
Weight (kg)	37
Dimension (W x H x D mm)	516 x 1205 x 280
Mounting Method	Wall Mounted
Ingress Protection Rating	IP54
<b>Inverter Data</b>	
<b>Battery Input Data</b>	
Battery Type <sup>*1</sup>	Li-Ion
Nominal Battery Voltage (V)	48
Battery Voltage range (V)	40 ~ 60
Max. Continuous Charging Current (A) <sup>*1</sup>	90
Max. Continuous Discharging Current (A) <sup>*1</sup>	100
Max. Charging Power (W)	4600
Max. Discharging Power (W)	4600
<b>PV String Input Data</b>	
Max. Input Power (W)	6500
Max. Input Voltage (V)	580
MPPT Operating Voltage Range (V)	125 ~ 550
Start-up Voltage (V)	125
Nominal Input Voltage (V)	360
Max. Input Current per MPPT (A)	14
Max. Short Circuit Current per MPPT (A)	17.5
Number of MPP Trackers	2
Number of Strings per MPPT	1
<b>AC Output Data (On-grid)</b>	
Nominal Apparent Power Output to Utility Grid (VA) <sup>*5</sup>	5000
Max. Apparent Power Output to Utility Grid (VA) <sup>*2</sup>	5000
Max. Apparent Power from Utility Grid (VA)	9200
Nominal Output Voltage (V)	230
Nominal AC Grid Frequency (Hz)	50 / 60
Max. AC Current Output to Utility Grid (A)	22.8
Max. AC Current From Utility Grid (A)	40
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Total Harmonic Distortion	<3%
<b>AC Output Data (Back-up)</b>	
Back-up Nominal Apparent Power (VA)	4600
Max. Output Apparent Power (VA) <sup>*3</sup>	4600 (6900@10sec)
Max. Output Current (A)	20
Nominal Output Voltage (V)	230 (±2%)
Nominal Output Frequency (Hz)	50 / 60 (±0.2%)
Output THDv (@Linear Load)	<3%

Technical Data	GW5048-ESA	Technical Data	GW5048-ESA
<b>Efficiency</b>		<b>General Data</b>	
Max. Efficiency	97.6%	Operating Temperature Range (°C)	-25 ~ +60
European Efficiency	97.0%	Relative Humidity	0 ~ 95%
Max. Battery to AC Efficiency	94.0%	Max. Operating Altitude (m)	3000
MPPT Efficiency	99.9%	Cooling Method	Natural Convection
<b>Protection</b>		User Interface	LED, APP
PV Insulation Resistance Detection	Integrated	Communication with BMS <sup>*4</sup>	RS485, CAN
Residual Current Monitoring	Integrated	Communication with Meter	RS485
PV Reverse Polarity Protection	Integrated	Communication with Portal	WiFi
Anti-islanding Protection	Integrated	Weight (kg)	44
AC Overcurrent Protection	Integrated	Dimension (W x H x D mm)	516 x 832 x 290
AC Short Circuit Protection	Integrated	Noise Emission (dB)	<25
AC Overvoltage Protection	Integrated	Topology	Non-isolated
		Self-consumption at Night (W)	<13
		Ingress Protection Rating	IP65
		Mounting Method	Wall Mounted

<sup>\*1</sup>: The actual charge and discharge current also depends on the battery.  
<sup>\*2</sup>: 4600 for VDE 0126-1-1 & VDE-AR-N4105 & NRS 097-2-1, 5100 for CEI 0-21 (GW5048D-ES).  
<sup>\*3</sup>: Peak output apparent power can be reached only if PV and battery power is enough.  
<sup>\*4</sup>: CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.

<sup>\*5</sup>: 4600 for VDE 0126-1-1 & VDE-AR-N4105 & NRS 097-2-1 & CEI 0-21.  
<sup>\*</sup>: When there is no battery connected, inverter starts feeding in only if string voltage is higher than 200V.  
<sup>\*</sup>: Please visit GoodWe website for the latest certificates



### Smart Control & Monitoring

- <10ms UPS-level switching
- Smart home integration with multi-protocol communications



### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP65 ingress protection



### Flexible & Adaptable Applications

- 10.8kWh battery capacity with 100A maximum discharging current
- Expandable storage



### Friendly & Thoughtful Design

- All-in-one modularized design
- Pre-wired components

# Lynx A G2 Series

## 5kWh | Low Voltage Battery

Harnessing the reliability of lithium iron phosphate (LFP) battery cell technology, GoodWe's low-voltage Lynx A G2 Series is crafted to meet residential energy needs. Focused on optimizing self-consumption and providing reliable solar power backup, this system offers homeowners a seamless energy solution. With its high energy density, it efficiently stores energy in limited spaces.

The Lynx A G2 Series battery provides continuous discharge current of up to 150A, even with just a single cell, and offers the flexibility to connect up to 30 modules in parallel, provided there is sufficient space. With its impressive battery cycle life, investing in this battery ensures enduring value for homes.

7500W  
POWER

1.5C  
DISCHARGING  
RATE



COMING SOON



### Smart Control

- Remote diagnosis & update via inverter
- Auto reboot after undervoltage



### Friendly & Thoughtful Design

- Compact and lightweight design
- Multiple installation methods supported



### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Long life cycle, >6000 times (80% EOL)



### Flexible & Adaptable Applications

- Scalable up to 150kWh, 30 modules in parallel
- Compatible with GoodWe residential storage inverters

Technical Data	LX A5.0-30
Usable Energy (kWh) <sup>1</sup>	5
Battery Module	LX A 5.0-30
Cell Type	LFP (LiFePO4)
Operating Voltage Range (V)	45.6 ~ 57.6
Nominal Charge Current (A) <sup>2</sup>	60
Max. Continuous Charge Current (A) <sup>3</sup>	90
Nominal Discharge Current (A) <sup>4</sup>	100
Max. Continuous Discharge Current (A) <sup>5</sup>	150
Max. Pulse Discharging Current (A) <sup>5</sup>	200 (10s)
Communication	External: CAN, Internal: CAN
Ambient Temperature (°C)	0<T≤40°C (Recommend 10<T≤30°C)
Operating Temperature (°C)	Charge: 0<T≤55°C, Discharge: -20<T≤55°C
Storage Temperature (°C)	-20°C ~ +45°C (Short-term, within 1 month), 0°C ~ +35°C (Long-term within 1 year)
Maximum Storage Time	12 Months (maintenance-free)
Relative Humidity	5 ~ 85%
Max. Operating Altitude (m)	4000
Weight (kg)	≤44
Dimensions (W × H × D mm)	442 × 133 × 520 (Core part) 483 × 133 × 559 (Maximum)
Ingress Protection Rating	IP20
Mounting Method	Cabinet / Landing / Wall mount
Round-trip Efficiency <sup>6</sup>	≥94%
Cycle Life <sup>6</sup>	Cell: 6000Cycles (80%EOL), 8000Cycles (70%EOL)
Warranty	10 Years
Total Discharge Energy (MWh)	≥16.4 (EOL80%)
Safety	IEC62619, IEC63056, N140
EMC	EN IEC61000-6-1, EN IEC61000-6-2, EN IEC61000-6-3, EN IEC61000-6-4
Transportation	UN38.3, ADR
Environment	ROHS, REACH

\*1: 25 ± 2°C, 0.2C CC - CV charging, 0.2C CC discharge, 100% DOD, tested separately at the beginning of battery life.  
 \*2: When working temperature is less than 10°C, standard continuous charging current decreases; Regardless of the temperature, the standard continuous charging current will decrease when the SOC is too low or too high.  
 \*3: When working temperature is less than 25°C, the maximum continuous / pulse charging current decreases; Regardless of the temperature, the maximum continuous / pulse charging current will decrease when the SOC is too low or too high.  
 \*4: When working temperature is less than 0°C, the standard continuous discharge current decreases; Regardless of the temperature, the standard continuous discharge current will decrease when the SOC is too low or too high.  
 \*5: When working temperature is less than 10°C, the maximum continuous / pulse discharge current decreases; Regardless of the temperature, the maximum continuous / pulse discharge current will decrease when the SOC is too low or too high.  
 \*6: 25 ± 2°C, 2.85 - 3.6V, 0.2C CC charging, 0.2C CC discharging.  
 \*: Please visit GoodWe website for the latest certificates.  
 \*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

# Lynx Home U Series

5.4-32.4kWh | Low voltage battery

Lynx Home U Series is a low-voltage lithium battery specially designed for residential applications with superior performance. Compatible with GoodWe ES/EM/SBP inverters, Lynx Home U Series comes with GoodWe one-stop-shop solution saving you considerable time and effort. It can be used flexibly for self-consumption and backup applications with a wide capacity range scalable from 5.4 – 32.4kWh. The installation and commissioning are easier and faster than ever with a simple Plug and Play wiring and module auto recognition during system setup. Meet this highly efficient solution for storing your solar power and use it whenever needed.



## Smart Control

- Remote diagnosis & update
- Auto reboot after undervoltage



## Friendly & Thoughtful Design

- Auto-recognition modules
- Plug & Play wiring



## Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP65 protection for outdoor installation safety



## Flexible & Adaptable Applications

- 5.4 – 32.4kWh wide capacity range
- Compatible with GoodWe ES/EM/SBP inverters

# Lynx Home U Series



Technical Data	LX U5.4-20	2*LX U5.4-20	3*LX U5.4-20	4*LX U5.4-20	5*LX U5.4-20	6*LX U5.4-20
Usable Energy (kWh) <sup>1</sup>	5.4	10.8	16.2	21.6	27	32.4
Cell Type	LFP (LiFePO4)					
Nominal Voltage (V)	51.2					
Operating Voltage Range (V)	47.5 ~ 57.6					
Nominal Dis- / Charge Current (A) <sup>2</sup>	50	100	100	100	100	100
Nominal Power (kW) <sup>2</sup>	2.56	5.12	5.12	5.12	5.12	5.12
Communication	CAN, RS485					
Weight (kg)	57	114	171	228	285	342
Dimensions (W × H × D mm)	505 × 570 × 175 (LX U5.4-20)					
Operating Temperature Range (°C)	Charge: 0 ~ +50 / Discharge: -10 ~ +50					
Relative Humidity	0 ~ 95%					
Max. Operating Altitude (m)	2000					
Ingress Protection Rating	IP65					
Mounting Method	Wall Mounted / Grounded					
Standard and Certification	Safety	IEC62619, IEC63056, IEC 62040, CEC				
	EMC	CE, RCM				
	Transportation	UN38.3				

\*1: Test conditions, Cell Voltage 2.5 ~ 3.65V, 0.5C charge & discharge at +25 ±2 °C for battery system at beginning life. System Usable Energy may vary with different Inverter.

\*2: Nominal Dis- / Charge Current and power derating will occur related to Temperature and SOC.

\*: Please visit GoodWe website for the latest certificates.



# Lynx D Series

## 5.0kWh | High Voltage Battery

GoodWe's Lynx D Series is a high-voltage lithium battery specially designed for residential applications with superior performance. Compatible with GoodWe residential energy storage inverters, Lynx D Series comes with one-stop-shop solutions saving you considerable time and effort. This versatile system serves effectively in scenarios focused on self-consumption and backup power needs. With its sleek and modern design, it seamlessly blends into residential settings. The installation and commissioning have been made quicker and easier than ever with a user-friendly plug and play wiring system. Moreover, Lynx D batteries are engineered to support a mix of old and new battery packs, ensuring adaptable expansion and hassle-free replacement options.



COMING SOON



### Smart Control

- Remote diagnosis and update via inverter
- Auto reboot after undervoltage



### Friendly & Thoughtful Design

- Sleek and modern design
- Plug and play wiring



### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP66 protection for outdoor installation safety



### Flexible & Adaptable Applications

- Modular design for parallel connection
- Supports mixing new and old battery packs for flexible expansion

Technical Data	LX D5.0-10	
Usable Energy (kWh) <sup>*1</sup>	5	
Cell Type	LFP (LiFePO <sub>4</sub> )	
Nominal Voltage (V)	Charge: 435; Discharge: 380	
Output Voltage (V)	320 ~ 480	
Nominal Power (kW)	3	
Peak Power	5kW, 10s	
Operating Temperature Range (°C) <sup>*2</sup>	Charge: 0 ~ +53; Discharge: -20 ~ +53	
Relative Humidity	0 - 95%	
Max. Operating Altitude (m)	4000	
Communication	CAN	
Weight (kg)	52	
Dimensions (W x H x D mm)	700 x 380 x 170	
Ingress Protection Rating	IP66	
Mounting Method	Floor stacked / Wall-mounted	
Standard and Certification	Safety	IEC62619, IEC60730, VDE2510-50, CE, CEC
	EMC	CE, RCM
	Transportation	UN38.3

\*1: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ±3°C for battery system at beginning life. System Usable Energy may vary with different Inverter.

\*2: Load derating may occur due to fluctuations in ambient temperature.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

# Lynx Home F Plus+ Series

6.6-16.4kWh | High voltage battery

GoodWe high-voltage battery Lynx Home F Plus+ Series is a perfect match and a highlight of GoodWe one-stop-shop energy storage solution realizing the remote monitoring of the whole energy storage system with a single App. It offers a wide capacity range from 6.6kWh to 16.4kWh, and the expandable parallel connection of up to 8 towers allows for a maximum capacity of 131kWh. Therefore, it provides comprehensive energy storage options to meet demanding project requirements, from self-consumption optimization to backup usage. The stackable self-detecting modules make the system especially easy to install and maintain. The reliable lithium iron phosphate (LFP) battery cell technology ensures maximum safety and a longer life cycle. Moreover, Lynx Home F PLUS+ is compatible with GoodWe BH/EH/BT/ET inverters. Get ready with Lynx Home F PLUS+ Series for robust power storage for your life.



## Smart Control

- Remote diagnosis & update
- Auto reboot after undervoltage



## Friendly & Thoughtful Design

- Stackable auto-recognition modules
- Plug & Play wiring



## Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP55 protection for outdoor installation safety



## Flexible & Adaptable Applications

- 6.6 – 16.5kWh wide capacity range
- Up to 8 towers in parallel (131kWh)

# Lynx Home F Plus+ Series



Technical Data	LX F6.6-H	LX F9.8-H	LX F13.1-H	LX F16.4-H
Usable Energy (kWh) <sup>1</sup>	6.55	9.83	13.10	16.38
Battery Module	LX F3.3-H: 102.4V 3.27kWh			
Number of Modules	2	3	4	5
Cell Type	LFP (LiFePO4)			
Nominal Voltage (V)	204.8	307.2	409.6	512.0
Operating Voltage Range (V)	182.4 ~ 230.4	273.6 ~ 345.6	364.8 ~ 460.8	456.0 ~ 576.0
Nominal Dis- / Charge Current (A) <sup>2</sup>	25			
Nominal Power (kW) <sup>2</sup>	5.12	7.68	10.24	12.80
Operating Temperature Range (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50			
Relative Humidity	0 ~ 95%			
Max. Operating Altitude (m)	2000			
Communication	CAN			
Weight (kg)	115	158	201	244
Dimensions (W × H × D mm)	600 × 610 × 380	600 × 765 × 380	600 × 920 × 380	600 × 1075 × 380
Ingress Protection Rating	IP55			
Mounting Method	Grounded			
Standard and Certification	Safety	IEC62619, IEC62040, VDE2510-50, CEC, CE		
	EMC	CE, RCM		
	Transportation	UN38.3		

<sup>1</sup>: Test conditions, 100% DOD, 0.2C charge & discharge at +25±2°C for battery system at beginning life. System usable energy may vary with different inverter.

<sup>2</sup>: Nominal dis-/charge current and power derating will occur related to temperature and SOC.

\*: Please visit GoodWe website for the latest certificates.

# Lynx F G2 Series

## 6.4-28.8kWh | High Voltage Battery

The GoodWe Lynx F G2 Series high-voltage battery is an ideal component and a highlight of the comprehensive GoodWe one-stop-shop energy storage solution. With a capacity range of 6.4kWh to 28.8kWh and the option to expand through parallel connection of up to 8 towers, the Lynx F G2 Series offers a broad range of energy storage solutions that cater to diverse project requirements, from self-consumption optimization to backup usage. Installation and maintenance of the system are made easy with the stackable self-detecting modules. The reliable lithium iron phosphate (LFP) battery cell technology ensures maximum safety and a longer life cycle. In addition, the Lynx F G2 is compatible with GoodWe BH/EH/BT/ET inverters, further enhancing its versatility and suitability for various energy storage applications.



### Smart Control & Monitoring

- Remote diagnosis & update via inverter
- Auto reboot after undervoltage



### Friendly & Thoughtful Design

- Stackable auto-recognition modules
- Plug & Play wiring



### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP55 protection for outdoor installation safety



### Flexible & Adaptable Applications

- Flexible capacity and stackable modules
- Up to 8 towers in parallel (230kWh)

## Lynx F G2 Series

GOODWE

Technical Data	LX F6.4-H-20	LX F9.6-H-20	LX F12.8-H-20	LX F16.0-H-20	LX F19.2-H-20	LX F22.4-H-20	LX F25.6-H-20	LX F28.8-H-20
Usable Energy (kWh) <sup>1</sup>	6.4	9.6	12.8	16	19.2	22.4	25.6	28.8
Battery Module	LX F3.2-20: 64V 3.2kWh							
Number of Modules	2	3	4	5	6	7	8	9
Cell Type	LFP (LiFePO4)							
Nominal Voltage (V)	128	192	256	320	384	448	512	576
Operating Voltage Range (V)	114.8 ~ 144.4	172.2 ~ 216.6	229.6 ~ 288.8	287.0 ~ 361.0	344.4 ~ 433.2	401.8 ~ 505.4	459.2 ~ 577.6	516.6 ~ 649.8
Nominal Dis- / Charge Current (A) <sup>2</sup>	35							
Nominal Power (kW) <sup>2</sup>	4.48	6.72	8.96	11.20	13.44	15.68	17.92	20.16
Operating Temperature Range (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50							
Relative Humidity	0 ~ 95%							
Max. Operating Altitude (m)	3000							
Communication	CAN							
Weight (kg)	86	120	154	188	222	256	290	324
Dimensions (W x D x H mm)	600 x 380 x 559	600 x 380 x 715	600 x 380 x 871	600 x 380 x 1027	600 x 380 x 1183	600 x 380 x 1339	600 x 380 x 1495	600 x 380 x 1651
Ingress Protection Rating	IP55 (Outdoor / Indoor)							
Mounting Method	Grounded							
Safety	IEC62619, IEC62040-1, IEC63056, VDE2510, CE, CEC							
Standard and Certification	EMC CE, RCM							
Transportation	UN38.3							

<sup>1</sup>: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ±2°C for battery system at beginning life. System Usable Energy may vary with different Inverter.

<sup>2</sup>: Nominal Dis- / Charge Current and power derating will occur related to Temperature and SOC.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

# HCA Series

AC Charger | Single Phase-7kW  
Three Phase-11/22kW

The GoodWe HCA EV Charger allows homeowners to use the energy drawn from PV rooftops to charge electric vehicles (EVs), providing a highly cost-effective and environmental-friendly option for fast charging of EVs at home. With a GoodWe HCA EV Charger paired with a PV and energy storage system, EVs can be charged for free with 100% surplus solar energy. Moreover, by integrating seamlessly with GoodWe's monitoring platform SEMS, the PV and charging systems can be managed with a single app, allowing homeowners to monitor, control, and optimize EV charging anywhere. Its compact and lightweight design makes it easy to install and maintain.



## Modern & User-friendly Design

- Easy to install and maintain
- Wall-mounted or pole-mounted design



## Superb Safety & Reliability

- Built-in 6mA DC residual current detection
- IP66 design for indoor/outdoor use



## Remote Control & Monitoring

- Intelligent monitoring & scheduling
- Manage PV and charging systems via SEMS



## Flexible & Adaptable Applications

- Compatible with all branded EVs
- Integrates with new & existing PV and storage systems



## HCA Series

**GOODWE**

Technical Data	GW7K-HCA	GW11K-HCA	GW22K-HCA
<b>Input</b>			
Nominal Input Voltage (V)	230, L / N / PE	400, 3L / N / PE	400, 3L / N / PE
Nominal Input Current (A)	32	16	32
Nominal AC Grid Frequency (Hz)		50 / 60	
<b>Output</b>			
Nominal Output Power (W)	7000	11000	22000
Nominal Output Voltage (V)	230	400	400
Nominal Output Current (A)	32	16	32
Nominal Output Frequency (Hz)		50 / 60	
<b>Protection</b>			
Residual Current Protection		Integrated	
Overcurrent Protection		Integrated	
Short Circuit Protection		Integrated	
Overvoltage Protection		Integrated	
Over Temperature Protection		Integrated	
Ground Fault Protection		Integrated	
AC Surge Protection		Type III	
Emergency Power Off		Integrated	
<b>General Data</b>			
Operating Temperature Range (°C)		-30 ~ +55	
Relative Humidity		5% ~ 95% (Non-condensing)	
Max. Operating Altitude (m)		2000	
Cooling Method		Natural Convection	
User Interface		APP, LED	
Start Method		WLAN + APP	
Communication		Bluetooth, Wi-Fi	
Communication Protocols		GOODWE	
Weight (kg)	5	6	6
Dimension (W x H x D mm)		208 x 450 x 150	
Noise Emission (dB)		<20	
Standby Power (W)		<6	
Ingress Protection Rating		IP66 <sup>*1</sup>	
Output Cable & Connector		6m Cable IEC Type2	
Installation		Indoors or outdoors	
Mounting Method		Wall / Floor (With floor post)	
RCD		Type A + 6mA DC Fault Current Protection	
Certification		IEC61851-1-2017, IEC 62955, CE, UKCA	

\*1: Ingress Protection Rating; Charging Plug IEC type 2 is IP55.  
\*: Please visit GoodWe website for the latest certificates.

# COMMERCIAL & INDUSTRIAL

## PV INVERTERS

---

04

### Inverter

- SMT
- LVSMT
- MT
- LVMT
- HT
- GT



# SMT Series

25-36kW | Three Phase | 3 MPPTs

The GoodWe SMT Series three-phase inverter is ideal for commercial rooftop system solutions. The SMT series achieves maximum efficiency of 98.8% and features unique design highlights, including solid capacitors, fuse-free design, and optional Arc Fault Circuit Interrupter (AFCI) function. These new features ensure a longer lifespan and a higher safety level of operation, allowing for an improved user experience. With a compact design and weight of just 40kg, the SMT series is more convenient to install. With a maximum DC input voltage of 1100V, a wider MPPT range for complex rooftops, and a start-up voltage of 180V, the SMT series guarantees an earlier generation of power and a longer working time to maximize long-term returns and profitability in safe operating conditions.



## Smart Control & Monitoring

- String level monitoring
- Dynamic power export limit



## Superb Safety & Reliability

- Optional Arc-fault circuit interrupter\*
- Optional Type II SPD on both DC and AC\*



## Optimal Generation for Higher Return

- 98.8% Max. Efficiency
- Up to 130% DC input oversizing & 110% AC output overloading



## Friendly & Thoughtful Design

- 40kg compact design
- Power line communication optional<sup>7</sup>

## SMT Series

GOODWE

Technical Data	GW25K-MT	GW29.9K-MT	GW30K-MT	GW36K-MT
<b>Input</b>				
Max. Input Voltage (V)	1100			
MPPT Operating Voltage Range (V)	200 ~ 950			
Start-up Voltage (V)	180			
Nominal Input Voltage (V)	600			
Max. Input Current per MPPT (A)	30			
Max. Short Circuit Current per MPPT (A)	37.5			
Number of MPP Trackers	3			
Number of Strings per MPPT	2			
<b>Output</b>				
Nominal Output Power (kW)	25.0	29.9	30.0	36.0 <sup>1</sup>
Nominal Output Apparent Power (kVA)	25.0	29.9	30.0	36.0 <sup>1</sup>
Max. AC Active Power (kW)	27.5 <sup>2</sup>	29.9	33.0 <sup>2</sup>	36.0 <sup>2</sup>
Max. AC Apparent Power (kVA)	27.5 <sup>3</sup>	29.9	33.0 <sup>3</sup>	36.0 <sup>3</sup>
Nominal Output Voltage (V)	400 <sup>4</sup> , 3L / N / PE or 3L / PE	400, 3L / N / PE or 3L / PE	400 <sup>4</sup> , 3L / N / PE or 3L / PE	
Output Voltage Range (V)	320 ~ 460			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	47.5 ~ 51.5 / 57.0 ~ 61.8			
Max. Output Current (A)	40.0	43.3	48.0	53.3
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>Efficiency</b>				
Max. Efficiency	98.7%	98.8%	98.8%	98.8%
European Efficiency	98.4%	98.5%	98.5%	98.5%
<b>Protection</b>				
PV String Current Monitoring	Integrated			
PV Insulation Resistance Detection	Integrated			
Residual Current Monitoring	Integrated			
PV Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
DC Switch	Integrated <sup>5</sup>			
DC Surge Protection	Type III (Type II Optional)			
AC Surge Protection	Type III (Type II Optional)			
AFCI	Optional			
Emergency Power Off	Optional <sup>6</sup>			
Remote Shutdown	Optional			
PID Recovery	Optional			
<b>General Data</b>				
Operating Temperature Range (°C)	-30 ~ +60			
Relative Humidity	0 ~ 100%			
Max. Operating Altitude (m)	3000			
Cooling Method	Smart Fan Cooling			
User Interface	LED, LCD (Optional), WLAN + APP			
Communication	RS485, WiFi or 4G or PLC (Optional) <sup>7</sup>			
Communication Protocols	Modbus-RTU (SunSpec Compliant)			
Weight (kg)	40.0			
Dimension (W x H x D mm)	480 x 590 x 200			
Topology	Non-isolated			
Self-consumption at Night (W)	<1			
Ingress Protection Rating	IP65			
DC Connector	MC4 (Max. 6mm <sup>2</sup> )			
AC Connector	OT / DT Terminal (Max. 25mm <sup>2</sup> )			

\*1: 33kW for Italy, 36kW for other country.

\*2: For Brazil and Chile Max. AC Active Power (kW): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.

\*3: For Brazil and Chile Max. AC Apparent Power (kVA): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.

\*4: For Brazil Nominal Output Voltage is 380V, 3L / N / PE or 3L / PE.

\*5: For Australia DC Switch is PV2 (Integrated).

\*6: For Indian Emergency Power Off: Optional.

\*7: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).

\*: Optional functions or devices are purchased separately.

\*: Please visit GoodWe website for the latest certificates.

# SMT Series

50-60kW | Three Phase | Up to 6 MPPTs

GoodWe SMT 50-60kW Series inverter is ideal for medium and large-scale commercial installations.

Harvest solar energy and generate environmental-friendly power for increased return on investment brought by high yields with your commercial PV system. Its unique fuse-free design makes it exceptionally easy to maintain for operators, saving time and money. The superb safety design provides reliable protections in outdoor installation and guarantees stable usage and generation even in extreme conditions. SMT 50-60kW Series is a pioneering inverter for your business and value.



## Smart Control & Monitoring

- Remote data monitoring
- Multi-protocol compatibility



## Superb Safety & Reliability

- Type II Surge Protection for both DC and AC
- IP65 ingress protection



## Friendly & Thoughtful Design

- 200V-950V wide input operating voltage range
- Fuse-free design



## High Power Generation for High Returns

- Maximum 15A DC input current per string
- 150% DC input oversizing & 110% AC output overloading

## SMT Series

GOODWE

Technical Data	GW50KS-MT	GW60KS-MT
<b>Input</b>		
Max. Input Voltage (V)	1100	
MPPT Operating Voltage Range (V)	200 ~ 950	
Start-up Voltage (V)	180	
Nominal Input Voltage (V)	600	
Max. Input Current per MPPT (A)	30	
Max. Short Circuit Current per MPPT (A)	37.5	
Number of MPP Trackers	5	6
Number of Strings per MPPT	2	
<b>Output</b>		
Nominal Output Power (kW)	50	60
Nominal Output Apparent Power (kVA)	50	60
Max. AC Active Power (kW)	55 <sup>1</sup>	66 <sup>1</sup>
Max. AC Apparent Power (kVA)	55 <sup>2</sup>	66 <sup>2</sup>
Nominal Output Voltage (V)	230 / 400 <sup>3</sup> , 3L / N / PE or 3L / PE	
Output Voltage Range (V)	320 ~ 460	
Nominal AC Grid Frequency (Hz)	50 / 60	
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	80.0	96.0
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion	<3%	
<b>Efficiency</b>		
Max. Efficiency	98.6%	
European Efficiency	98.1%	
<b>Protection</b>		
PV String Current Monitoring	Integrated	
PV Insulation Resistance Detection	Integrated	
Residual Current Monitoring	Integrated	
PV Reverse Polarity Protection	Integrated	
Anti-islanding Protection	Integrated	
AC Overcurrent Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Overvoltage Protection	Integrated	
DC Switch	Integrated <sup>4</sup>	
DC Surge Protection	Type II (Type I + II Optional)	
AC Surge Protection	Type II	
AFCI	Optional	
Emergency Power Off <sup>5</sup>	Optional	
Remote Shutdown <sup>6</sup>	Optional	
PID Recovery	Optional	
<b>General Data</b>		
Operating Temperature Range (°C)	-30 ~ +60	
Relative Humidity	0 ~ 100%	
Max. Operating Altitude (m)	3000	
Cooling Method	Smart Fan Cooling	
User Interface	LED, LCD (Optional), WLAN + APP	
Communication	RS485, WiFi or 4G or PLC (Optional) <sup>7</sup>	
Communication Protocols	Modbus-RTU (SunSpec Compliant)	
Weight (kg)	55	
Dimension (W x H x D mm)	520 x 660 x 220	
Topology	Non-isolated	
Self-consumption at Night (W)	<1	
Ingress Protection Rating	IP65	
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )	
AC Connector	OT / DT Terminal (Max. 50mm <sup>2</sup> )	

\*1: For Brazil and Chile Max. AC Active Power (kW): GW50K-MT is 50; GW60K-MT is 60.

\*2: For Brazil and Chile Max. AC Apparent Power (kVA): GW50K-MT is 50; GW60K-MT is 60.

\*3: For Brazil and Thailand (PEA) Nominal Output Voltage (V): 220 / 380, 3L / N / PE or 3L / PE.

\*4: For Australia DC Switch is PV2.

\*5: For Indian Emergency Power Off: Optional.

\*6: For Europe Remote Shutdown: integrated.

\*7: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).

\*: Please visit GoodWe website for the latest certificates.

# LVSMT Series

12-35kW | Three Phase | Up to 6 MPPTs

GoodWe's LVSMT Series three-phase inverter is designed with low voltage power input, and is an ideal choice for commercial installations. Developed as an efficient response to South American market needs for low-voltage inverters above 10kW, this series is applicable to special grid voltage ranges within the region. With the GoodWe LVSMT Series inverter, the system configuration can be simplified by avoiding the installation of an expensive transformer, greatly reducing the initial investment costs of the system.



## Smart Control & Monitoring

- String level monitoring
- Power line communication



## High Power Generation for High Returns

- Max. Efficiency up to 98.8%
- 130% DC input oversizing



## Superb Safety & Reliability

- Optional AFCI
- IP65 ingress protection



## Friendly & Thoughtful Design

- 200V-650V wide MPPT voltage range
- Fuse-free design

# LVSMT Series

GOODWE

Technical Data	GW12KLV-MT	GW15KLV-MT	GW20KLV-MT	GW30KLS-MT	GW35KLS-MT
<b>Input</b>					
Max. Input Voltage (V)	800				
MPPT Operating Voltage Range (V)	200 ~ 650				
Start-up Voltage (V)	180				
Nominal Input Voltage (V)	370				
Max. Input Current per MPPT (A)	30				
Max. Short Circuit Current per MPPT (A)	37.5				
Number of MPP Trackers	3	3	3	5	6
Number of Strings per MPPT	2				
<b>Output</b>					
Nominal Output Power (kW)	12.0	15.0	20.7	30.0	35.0
Nominal Output Apparent Power (kVA)	12.0	15.0	20.7	30.0	35.0
Max. AC Active Power (kW)	11.3@208V, 12.0@220V, 13.1@240V	14.4@208V, 15.0@220V, 16.6@240V	19.6@208V, 20.7@220V, 22.6@240V	30.0	35.0
Max. AC Apparent Power (kVA)	13.1	16.6	22.6	30.0	35.0
Nominal Output Voltage (V)	220, 3L / N / PE or 3L / PE				
Output Voltage Range (V)	150 ~ 300	150 ~ 300	150 ~ 300	176 ~ 242	176 ~ 242
Nominal AC Grid Frequency (Hz)	50 / 60				
AC Grid Frequency Range (Hz)	47.5 ~ 51.5 / 57.0 ~ 61.8				
Max. Output Current (A)	31.5	40.0	54.5	80.0	96.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	<3%				
<b>Efficiency</b>					
Max. Efficiency	98.7%	98.7%	98.8%	98.0%	98.0%
European Efficiency	98.4%	98.5%	98.5%	97.7%	97.7%
<b>Protection</b>					
PV String Current Monitoring	Integrated				
PV Insulation Resistance Detection	Integrated				
Residual Current Monitoring	Integrated				
PV Reverse Polarity Protection	Integrated				
Anti-islanding Protection	Integrated				
AC Overcurrent Protection	Integrated				
AC Short Circuit Protection	Integrated				
AC Overvoltage Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	Type III (Type II Optional)			Type II (Type I + II Optional)	
AC Surge Protection	Type III (Type II Optional)			Type II	
AFCI	Optional				
Remote Shutdown	Optional				
PID Recovery	Optional				
<b>General Data</b>					
Operating Temperature Range (°C)	-30 ~ +60				
Relative Humidity	0 ~ 100%				
Max. Operating Altitude (m)	3000				
Cooling Method	Smart Fan Cooling				
User Interface	LED, LCD (Optional), WLAN + APP				
Communication	RS485, WiFi or 4G or PLC (Optional) <sup>1</sup>				
Communication Protocols	Modbus-RTU (SunSpec Compliant)				
Weight (kg)	40.0	40.0	40.0	55.0	55.0
Dimension (W x H x D mm)	480 x 590 x 200			520 x 660 x 220	
Noise Emission (dB)	<60	<60	<60	<65	<65
Topology	Non-isolated				
Self-consumption at Night (W)	<1				
Ingress Protection Rating	IP65				
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )				
AC Connector	OT / DT Terminal (Max.25mm <sup>2</sup> )			OT / DT Terminal (Max.50mm <sup>2</sup> )	

<sup>1</sup>: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).  
\*: Please visit GoodWe website for the latest certificates.



# MT Series

50-80kW | Three Phase | 4 MPPTs

The second generation of GoodWe MT Series inverter is suited for medium and large scale commercial rooftops and ground-mounted solar PV systems where maximum versatility and profitability are important. With its compact design and power boost function, the Goodwe MT series of the new generation can provide a 150% continuous maximum AC output power overload, offering a faster return on investment. The start-up voltage is 200V, much lower than other products, which makes the inverter start up earlier, therefore generating more power over time.



Up to 150% DC input oversizing

String level monitoring

Up to 115% AC output overloading

Full-load running at 50°C

Up to 99% Max. Efficiency

Power line communication

## MT Series

GOODWE

Technical Data	GW50KN -MT	GW60KN -MT	GW50KBF -MT	GW60KBF -MT	GW75KBF -MT	GW80KBF -MT	GW70KHV -MT	GW80KHV -MT	GW75K -MT	GW80K -MT
<b>Input</b>										
Max. Input Voltage (V)	1100									
MPPT Operating Voltage Range (V)	200 ~ 1000									
Start-up Voltage (V)	200									
Nominal Input Voltage (V)	620	620	620	620	750	800	750	800	600	620
Max. Input Current per MPPT (A)	33 / 33 / 22 / 22	33	30	44	44	39	33	44	44	44
Max. Short Circuit Current per MPPT (A)	41.5 / 41.5 / 27.5 / 27.5	41.5	37.5	55.0	55.0	54.8	41.5	55.0	55.0	55.0
Number of MPP Trackers	4									
Number of Strings per MPPT	3 / 3 / 2 / 2	3	2	3	3	3	3	4	4 (Standard), 3 (Optional, Support bifacial module)	3 (Standard, Support bifacial module), 4 (Optional)
<b>Output</b>										
Nominal Output Power (W)	50000	60000	50000	60000	75000	80000	70000	80000	75000	80000
Nominal Output Apparent Power (VA)	50000	60000	50000	60000	75000	80000	70000	80000	75000	80000
Max. AC Active Power (W)	55000; 57500 @415V*1	66000; 69000 @415V*1	55000; 57500 @415V*1	66000; 69000 @415V*1	82500*1	88000*1	77000*1	88000*1	75000	88000*1
Max. AC Apparent Power (VA)	55000; 57500 @415V*2	66000; 69000 @415V*2	55000; 57500 @415V*2	66000; 69000 @415V*2	82500*2	88000*2	77000*2	88000*2	75000	88000*2
Nominal Output Voltage (V)	400, 3L / N / PE or 3L / PE				500, 3L / PE	540, 3L / PE	500, 3L / PE	540, 3L / PE	400, 3L / N / PE or 3L / PE	
Nominal AC Grid Frequency (Hz)	50 / 60									
Max. Output Current (A)	80.0	96.0	80.0	96.0	95.3	94.1	89.0	94.1	133.0	133.0
Power Factor	~1 (adjustable from 0.8 lagging to 0.8 leading)									
Max. Total Harmonic Distortion	<3%									
<b>Efficiency</b>										
Max. Efficiency	98.7%	98.8%	98.8%	98.8%	99.0%	99.0%	99.0%	99.0%	98.8%	98.8%
European Efficiency	98.3%	98.5%	98.3%	98.3%	98.4%	98.4%	98.4%	98.4%	98.3%	98.3%
<b>Protection</b>										
PV String Current Monitoring	Integrated									
PV Insulation Resistance Detection	Integrated									
Residual Current Monitoring	Integrated									
PV Reverse Polarity Protection	Integrated									
Anti-islanding Protection	Integrated									
AC Overcurrent Protection	Integrated									
AC Short Circuit Protection	Integrated									
AC Overvoltage Protection	Integrated									
DC Switch	Integrated									
DC Surge Protection	Type II									
AC Surge Protection	Type II									
AFCI	Optional									
PID Recovery	Optional									
<b>General Data</b>										
Operating Temperature Range (°C)	-30 ~ +60									
Relative Humidity	0 ~ 100%									
Max. Operating Altitude (m)	4000	4000	4000	4000	4000	4000	4000	4000	≤4000	≤4000
Cooling Method	Smart Fan Cooling								Fan Cooling	
User Interface	LED, LCD (Optional), WiFi + APP				LED, WiFi + APP			LED, LCD (Optional), WiFi + APP	LED, WiFi + APP	
Communication	RS485, WiFi or PLC (Optional)								RS485, WiFi, PLC (Optional)	
Weight (kg)	59.0	64.0	60.0	65.0	65.0	65.0	60.0	65.0	70.0	70.0
Dimension (W × H × D mm)	586 × 788 × 264			586 × 788 × 267			586 × 788 × 264	586 × 788 × 267		
Topology	Non-isolated									
Self-consumption at Night (W)	<1									
Ingress Protection Rating	IP65									
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )	-	-	-	-	-	-	-	-	MC4 (4 ~ 6mm <sup>2</sup> )

\*1: For Chile Max. AC Active Power (W): GW50KN-MT is 50000; GW60KN-MT is 60000; GW50KBF-MT is 50000; GW60KBF-MT is 60000; GW75KBF-MT is 75000; GW80KBF-MT is 80000; GW70KHV-MT is 70000; GW80KHV-MT is 80000; GW80K-MT is 80000.  
\*2: For Chile Max. AC Apparent Power (VA): GW50KN-MT is 50000; GW60KN-MT is 60000; GW50KBF-MT is 50000; GW60KBF-MT is 60000; GW75KBF-MT is 75000; GW80KBF-MT is 80000; GW70KHV-MT is 70000; GW80KHV-MT is 80000; GW80K-MT is 80000.

\*: Please visit GoodWe website for the latest certificates.

# LVMT Series

30-50kW | Three Phase | 4 MPPTs

Developed as an efficient response to South American market needs for low-voltage inverters, GoodWe's LVMT series inverter is suitable for medium and large-scale commercial rooftops or ground-mounted solar PV systems where maximum versatility and profitability are important. With its compact design and power boost function, GoodWe's LVMT series can provide an extremely high efficiency of 98.8%, thus offering a faster return on investment.



String level monitoring



Up to 180% DC input oversizing



Up to 110% AC output overloading



Up to 98.8% Max. Efficiency



Full-load running at 50°C



Power line communication

## LVMT Series

GOODWE

Technical Data	GW30KLV-MT	GW35KLV-MT	GW50KLV-MT
<b>Input</b>			
Max. Input Voltage (V)	800		
MPPT Operating Voltage Range (V)	200 ~ 650		
Start-up Voltage (V)	200		
Nominal Input Voltage (V)	370		
Max. Input Current per MPPT (A)	33 / 33 / 22 / 22	33	44
Max. Short Circuit Current per MPPT (A)	41.5 / 41.5 / 27.5 / 27.5	41.5	55
Number of MPP Trackers	4		
Number of Strings per MPPT	3 / 3 / 2 / 2	3	4
<b>Output</b>			
Nominal Output Power (W)	30000	36000	50000
Nominal Output Apparent Power (VA)	30000	36000	50000
Max. AC Active Power (W)	28800@208V; 30000@220V; 33000@240V;	34500@208V; 36000@220V; 39900@240V;	47300@208V; 50000@220V; 55000@240V;
Max. AC Apparent Power (VA)	33000	39900	55000
Nominal Output Voltage (V)	220, 3L / N / PE or 3L / PE		
Nominal AC Grid Frequency (Hz)	50 / 60		
Max. Output Current (A)	80.0	96.0	133.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
<b>Efficiency</b>			
Max. Efficiency	98.7%	98.8%	98.7%
European Efficiency	98.3%	98.5%	98.3%
<b>Protection</b>			
PV String Current Monitoring	Integrated		
PV Insulation Resistance Detection	Integrated		
Residual Current Monitoring	Integrated		
PV Reverse Polarity Protection	Integrated		
Anti-islanding Protection	Integrated		
AC Overcurrent Protection	Integrated		
AC Short Circuit Protection	Integrated		
AC Overvoltage Protection	Integrated		
DC Switch	Optional		
DC Surge Protection	Type II		
AC Surge Protection	Type II		
AFCI	Optional		
PID Recovery	Optional		
<b>General Data</b>			
Operating Temperature Range (°C)	-30 ~ +60		
Relative Humidity	0 ~ 100%		
Max. Operating Altitude (m)	4000		
Cooling Method	Fan Cooling		
User Interface	LED, LCD (Optional), WiFi + APP	LED, LCD (Optional), WiFi + APP	LED, WiFi + APP
Communication	RS485, WiFi (Optional)	RS485, WiFi (Optional)	RS485, WiFi, PLC (Optional)
Weight (kg)	59.0	64.0	70.0
Dimension (W x H x D mm)	586 x 788 x 264	586 x 788 x 264	586 x 788 x 267
Topology	Non-isolated		
Self-consumption at Night (W)	<1		
Ingress Protection Rating	IP65		

\*: Please visit GoodWe website for the latest certificates.

# HT Series | 1100Vdc

73-120kW | Up to 12 MPPTs | Three Phase

The HT 1100 Vdc Series 73-120kW is GoodWe's new string inverter for C&I and small utility projects to boost your power and profit. Generate your solar power and make use of it with this centerpiece of the clean energy system. The HT Series seamlessly incorporates its technical strengths designed to achieve higher savings in the installation, enhance productivity with increased energy yields, realize high power density and diversify available monitoring options. It takes safety to the top possible level in accordance with the strictest industry standards and runs efficiently even under the harshest environmental conditions. This unrivalled set of features was conceived to ensure the lowest levelized cost of electricity (LCOE) to offer this ideal choice for commercial and industrial PV systems.



### Smart Control & Monitoring

- String level monitoring
- Dynamic power export limit



### Optimal Generation for Higher Return

- Full load running at 45°C
- Up to 12 MPPTs



### Superb Safety & Reliability

- IP66 and C5 protection
- Type II SPD on both DC and AC sides



### Friendly & Thoughtful Design

- Easy and quick configuration via Bluetooth
- Power line communication

## HT Series

GOODWE

Technical Data	GW73KLV-HT	GW75K-HT	GW80K-HT	GW100K-HT	GW110K-HT	GW120K-HT
<b>Input</b>						
Max. Input Voltage (V)	800	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180 ~ 650	180 ~ 1000	180 ~ 1000	180 ~ 1000	180 ~ 1000	180 ~ 1000
Start-up Voltage (V)	200					
Nominal Input Voltage (V)	370	600	600	600	600	600
Max. Input Current per MPPT (A)	30					
Max. Short Circuit Current per MPPT (A)	45					
Number of MPP Trackers	12	10	10	10	12	12
Number of Strings per MPPT	2					
<b>Output</b>						
Nominal Output Power (kW)	73	75	80	100 <sup>*1</sup>	110	120
Nominal Output Apparent Power (kVA)	73	75	80	100 <sup>*1</sup>	110	120
Max. AC Active Power (kW)	69@208V; 73@220V; 75@240V	75	88	110 <sup>*1</sup>	121 <sup>*1</sup>	132 <sup>*1</sup>
Max. AC Apparent Power (kVA)	75	75	88	110 <sup>*1</sup>	121 <sup>*1</sup>	132 <sup>*1</sup>
Nominal Output Voltage (V)	220V, 3L / N / PE or 3L / PE	380V / 400V, 3L / N / PE or 3L / PE <sup>*2</sup>		400V, 3L / N / PE or 3L / PE <sup>*2</sup>		
Output Voltage Range (V)	187 ~ 242	320 ~ 440	320 ~ 440	320 ~ 440	320 ~ 440	320 ~ 440
Nominal AC Grid Frequency (Hz)	50 / 60					
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65					
Max. Output Current (A)	192.0	125.3	134.0	167.0	175.5	191.3
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Max. Total Harmonic Distortion	<3%					
<b>Efficiency</b>						
Max. Efficiency	98.4%	98.6%	98.6%	98.6%	98.6%	98.6%
European Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
<b>Protection</b>						
PV String Current Monitoring	Integrated					
PV Insulation Resistance Detection	Integrated					
Residual Current Monitoring	Integrated					
PV Reverse Polarity Protection	Integrated					
Anti-islanding Protection	Integrated					
AC Overcurrent Protection	Integrated					
AC Short Circuit Protection	Integrated					
AC Overvoltage Protection	Integrated					
DC Switch	Integrated					
DC Surge Protection	Type II					
AC Surge Protection	Type II					
AFCI	Optional					
Remote Shutdown	Optional					
PID Recovery	Optional					
<b>General Data</b>						
Operating Temperature Range (°C)	-30 ~ +60					
Relative Humidity	0 ~ 100%					
Max. Operating Altitude (m)	5000 (>4000 derating)					
Cooling Method	Smart Fan Cooling					
User Interface	LED, LCD (Optional), WLAN + APP					
Communication	RS485, WiFi or 4G (Optional)					
Communication Protocols	Modbus-RTU (SunSpec Compliant)					
Weight (kg)	98.5	93.5	93.5	93.5	98.5	98.5
Dimension (W x H x D mm)	1008 x 678 x 343					
Topology	Non-isolated					
Self-consumption at Night (W)	<2					
Ingress Protection Rating	IP66					
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> )					
AC Connector	OT / DT terminal (Max. 300mm <sup>2</sup> )					

\*1: For Australia is 99.99kW / kVA (GW100K-HT).

\*1: For Chile Max. AC Active Power (kW) & Max. AC Apparent Power (kVA): GW100K-HT is 100K; GW110K-HT is 110K; GW120K-HT is 120K.

\*2: For Brazil, Nominal Output Voltage (V): 380, 3L / N / PE or 3L / PE.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

# GT Series

100-125kW | Three Phase | 8/10 MPPTs

The GT Series string inverter is an ideal choice for commercial and industrial (C&I) applications to enhance productivity with increased energy yields and realize high power density. Multiple MPPTs and high input current of 21A per DC string increase the overall yield with high-power PV modules. The optional PID (Potential Induced Degradation) recovery function is also supported for better module performance. Safety is always the first priority. Both the DC and AC sides are equipped with Type II surge protection to protect the inverter from lightning, providing upgraded safety and reliability for the PV system. With an unrivaled set of features, GT Series inverters were conceived to deliver increased return on investment (ROI) for C&I PV projects.



COMING SOON



### Optimal Generation for Higher Return

- Max. 21A DC input current per string
- 150% DC input oversizing & 110% AC output overloading



### Superb Safety & Reliability

- IP66 and optional C5 protection<sup>1</sup>
- Type II SPD on AC & DC sides
- Optional AFCI protection<sup>1</sup>



### Smart Control & Monitoring

- Smart I-V curve scan and diagnosis<sup>1</sup>
- String level monitoring



### Friendly & Thoughtful Design

- Fuse-free design
- Power line communication (PLC) optional<sup>1</sup>

## GT Series

GOODWE

Technical Data	GW100K-GT	GW110K-GT	GW125K-GT
<b>Input</b>			
Max. Input Voltage (V)		1100	
MPPT Operating Voltage Range (V)		180 ~ 1000	
Start-up Voltage (V)		200	
Nominal Input Voltage (V)		600	
Max. Input Current per MPPT (A)		42	
Max. Short Circuit Current per MPPT (A)		52.5	
Number of MPP Trackers	8	10	10
Number of Strings per MPPT		2	
<b>Output</b>			
Nominal Output Power (kW)	100 <sup>1</sup>	110	125
Nominal Output Apparent Power (kVA)	100 <sup>1</sup>	110	125
Max. AC Active Power (kW) <sup>3</sup>	110.0 <sup>1</sup>	121.0	137.5 <sup>2</sup>
Max. AC Apparent Power (kVA) <sup>3</sup>	110.0 <sup>1</sup>	121.0	137.5 <sup>2</sup>
Nominal Output Voltage (V)		220 / 380, 230 / 400, 3L / N / PE or 3L / PE	
Output Voltage Range (V)		304 ~ 460	
Nominal AC Grid Frequency (Hz)		50 / 60	
AC Grid Frequency Range (Hz)		45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	167.1	183.4	199.4
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion		<3%	
<b>Efficiency</b>			
Max. Efficiency	98.8%	98.8%	99.0%
European Efficiency	98.4%	98.4%	98.5%
<b>Protection</b>			
PV String Current Monitoring		Integrated	
PV Insulation Resistance Detection		Integrated	
Residual Current Monitoring		Integrated	
PV Reverse Polarity Protection		Integrated	
Anti-islanding Protection		Integrated	
AC Overcurrent Protection		Integrated	
AC Short Circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
DC Switch		Integrated	
DC Surge Protection		Type II (Type I + II Optional)	
AC Surge Protection		Type II	
AFCI		Optional	
Emergency Power Off		Optional	
Rapid Shutdown		Optional	
Remote Shutdown		Optional	
PID Recovery		Optional	
Reactive Power Compensation at Night		Optional	
Power Supply at Night		Optional	
I-V Curve Scan		Optional	
I-V Curve Diagnosis		Optional	
<b>General Data</b>			
Operating Temperature Range (°C)		-30 ~ +60	
Relative Humidity		0 ~ 100%	
Max. Operating Altitude (m)		4000	
Cooling Method		Smart Fan Cooling	
User Interface		LED, LCD (Optional), WLAN + APP	
Communication		RS485, WiFi or 4G or PLC (Optional)	
Communication Protocols		Modbus-RTU (SunSpec Compliant)	
Weight (kg)	85	88	88
Dimension (W x H x D mm)		930 x 650 x 300	
Topology		Non-isolated	
Self-consumption at Night (W)		<2	
Ingress Protection Rating		IP66	
DC Connector		MC4 (4 ~ 6mm <sup>2</sup> )	
AC Connector		OT / DT terminal (Max. 240mm <sup>2</sup> )	

\*1: For Australia is 99.99kW / kVA.

\*2: For VDE4105 Max. AC Active Power (kW) and Max. AC Apparent Power (kVA): GW125K-GT is 134.9.

\*3: For Chile and Brazil Max. AC Active Power (kW) and Max. AC Apparent Power (kVA): GW100K-GT is 100; GW110K-GT is 110; GW125K-GT is 125.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

1: Optional functions or devices are purchased separately.

# COMMERCIAL & INDUSTRIAL

## ENERGY STORAGE

### PRODUCTS

---

05

#### Inverter

- ET Series
- ETC Series
- BTC Series

#### Battery

- Lynx C 101kWh (indoor)

#### All-in-one System

- ESA 30kW/60kWh
- ESA 50kW/100kWh

# ET Series

## 40/50kW | Three Phase | 3/4 MPPTs Hybrid Inverter (HV)

GoodWe's ET Series inverters, available in 40kW and 50kW capacities, are designed for commercial and industrial PV installations. These adaptable inverters seamlessly integrate into both on-grid and off-grid applications, facilitating parallel connections in either scenario. When paired with the Static Transfer Switch (STS) Box from GoodWe, the inverter not only ensures dependable UPS-level switching to backup mode but also interacts with diesel generators to efficiently replenish batteries. Moreover, the ET Series is compatible with diverse battery capacities and brands, including the GoodWe Lynx C, offering a comprehensive energy storage solution.

COMING SOON



### Smart Control & Monitoring

- <10ms UPS-level switching
- 110% unbalanced output



### Friendly & Thoughtful Design

- Elegant and compact design
- Plug & Play installations



### Superb Safety & Reliability

- Optional Type I+II SPD on DC side<sup>1</sup>
- IP66 protection for outdoor installation safety
- AFCI optional<sup>1</sup>



### Flexible & Adaptable Applications

- Compatible with 182/210mm modules
- Up to 150% DC input oversizing
- 4 MPPTs, Max. efficiency up to 98.1%

1: Optional functions or devices are purchased separately.

Technical Data	GW40K-ET-10	GW50K-ET-10
<b>Battery Input Data</b>		
Battery Type	Li-Ion	
Nominal Battery Voltage (V)	500	
Battery Voltage Range (V)	200 ~ 800	
Start-up Voltage (V)	200	
Number of Battery Input	1	
Max. Continuous Charging Current (A)	100	
Max. Continuous Discharging Current (A)	100	
Max. Charging Power (W)	44000	55000
Max. Discharging Power (W)	44000	55000
<b>PV String Input Data</b>		
Max. Input Power (W)	60000	75000
Max. Input Voltage (V)	1000	
MPPT Operating Voltage Range (V)	165 ~ 850	
Start-up Voltage (V)	160	
Nominal Input Voltage (V)	620	
Max. Input Current per MPPT (A)	42 / 32 / 42	42 / 32 / 42 / 32
Max. Short Circuit Current per MPPT (A)	55 / 42 / 55	55 / 42 / 55 / 42
Number of MPP Trackers	3	4
Number of Strings per MPPT	2	
<b>AC Output Data (On-grid)</b>		
Nominal Output Power (W)	40000	50000
Nominal Apparent Power Output to Utility Grid (VA)	40000	50000
Max. Apparent Power Output to Utility Grid (VA)	44000	55000
Max. Apparent Power from Utility Grid (VA)	44000	55000
Nominal Output Voltage (V)	380 / 400, 3L / N / PE	
Output Voltage Range (V)	176 ~ 276	
Nominal AC Grid Frequency (Hz)	50 / 60	
AC Grid Frequency Range (Hz)	45 ~ 65	
Max. AC Current Output to Utility Grid (A)	60.6	75.8
Max. AC Current From Utility Grid (A)	60.6	75.8
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion	<3%	
<b>AC Output Data (Back-up)<sup>1</sup></b>		
Back-up Nominal Apparent Power (VA)	40000	50000
Max. Output Apparent Power (VA)	44000 (48000 at 60sec, 60000 at 10sec)	55000 (60000 at 60sec, 75000 at 10sec)
Max. Output Current (A)	66.7	83.3
Nominal Output Voltage (V)	380 / 400, 3L / N / PE	
Nominal Output Frequency (Hz)	50 / 60	
Output THDv (@Linear Load)	< 3%	
<b>Efficiency</b>		
Max. Efficiency	98.1%	
European Efficiency	97.5%	
Max. Battery to AC Efficiency	97.7%	
MPPT Efficiency	99.0%	
<b>Protection</b>		
PV String Current Monitoring	Integrated	
PV Insulation Resistance Detection	Integrated	
Residual Current Monitoring	Integrated	
PV Reverse Polarity Protection	Integrated	
Battery Reverse Polarity Protection	Integrated	
Anti-islanding Protection	Integrated	
AC Overcurrent Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Overvoltage Protection	Integrated	
DC Switch	Integrated	
DC Surge Protection	Type II (Type I + II Optional)	
AC Surge Protection	Type II	
AFCI	Optional	
Rapid Shutdown	Optional	
Remote Shutdown	Integrated	
<b>General Data</b>		
Operating Temperature Range (°C)	-35 ~ +60	
Relative Humidity	0 ~ 95%	
Max. Operating Altitude (m)	4000	
Cooling Method	Smart Fan Cooling	
User Interface	LED, WLAN + APP	
Communication with BMS	CAN	
Communication with Meter	RS485	
Communication with Portal	WIFI + LAN / 4G (Optional)	
Weight (kg)	62	65
Dimension (W x H x D mm)	520 x 660 x 260	
Topology	Non-isolated	
Self-consumption at Night (W)	< 15	
Ingress Protection Rating	IP66	
Mounting Method	Wall Mounted	

<sup>1</sup>: Backup function can be only realized with STS Box (Static Transfer Switch Box).

\*: Please visit GoodWe website for the latest certificates.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

# ETC Series

50/100kW | Three phase  
1/2 MPPT | Hybrid inverter (HV)

The GoodWe ETC Series is a versatile three-phase hybrid inverter designed to accommodate a wide battery voltage range, spanning from 200 to 865V. Its user-friendly Plug & Play modularized design consists of five main modules: MPPT, DC/DC, DC/AC, STS, and EMS. This design approach offers increased flexibility and simplifies the installation process.

Featuring UPS-level switching with an impressive response time of less than 10ms, the GoodWe ETC Series ensures a seamless and uninterrupted power supply for critical loads. Additionally, it incorporates a Type II SPD for enhanced system safety. The combination of the ETC hybrid inverters and the GoodWe battery system Lynx C (ranging from 101kWh to 156kWh) creates a highly efficient energy storage solution. This solution is an excellent choice for commercial and industrial applications, whether the goal is to increase self-consumption, implement peak load shaving, or establish a robust backup power system.



## Smart Control & Monitoring

- <10ms UPS-level switching
- Multi-protocol communication



## Friendly & Thoughtful Design

- Modularized design
- Plug & Play



## Superb Safety & Reliability

- Built-in Type II SPD (Type I + II offered as optional configuration)
- Integrated remote shutdown



## Flexible & Adaptable Applications

- Peak load shaving
- 100% unbalanced output

# ETC Series

GOODWE

Technical Data	GW50K07-ETC	GW50K06-ETC <sup>*1</sup>	GW100K07-ETC	GW100K06-ETC <sup>*1</sup>
<b>Battery Input Data</b>				
Battery Type	Li-Ion			
Nominal Battery Voltage (V)	422.4 / 499.2 / 576.0 / 652.8			
Battery Voltage Range (V)	200 ~ 865			
Start-up Voltage (V)	200			
Number of Battery Input	1	1	2	2
Max. Continuous Charging Current (A)	100	100	100 / 100	100 / 100
Max. Continuous Discharging Current (A)	100	100	100 / 100	100 / 100
Max. Charging Power (kW)	50	50	100	100
Max. Discharging Power (kW)	55	55	110	110
<b>PV String Input Data</b>				
Max. Input Power (kW)	65	65	130	130
Max. Input Voltage (V)	1000			
MPPT Operating Voltage Range (V)	250 ~ 960			
Start-up Voltage (V)	250			
Nominal Input Voltage (V)	600			
Max. Input Current per MPPT (A)	100			
Max. Short Circuit Current per MPPT (A)	125			
Number of MPP Trackers	1	1	2	2
<b>AC Output Data (On-grid)</b>				
Nominal Output Power (kW)	50	50	100	100
Nominal Apparent Power Output to Utility Grid (kVA)	50	50	100	100
Max. Apparent Power Output to Utility Grid (kVA)	55	55	110	110
Max. Apparent Power from Utility Grid (kVA)	55	55	110	110
Nominal Output Voltage (V)	400, 3L / N / PE			
Output Voltage Range (V)	312 ~ 460 (AU); 318 ~ 497 (Germany)			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	47 ~ 52 (AU); 47.5 ~ 51.5 (Germany)			
Max. AC Current Output to Utility Grid (A)	79.8	79.8	159.5	159.5
Max. AC Current from Utility Grid (A)	79.8	79.8	159.5	159.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>AC Output Data (Back-up)</b>				
Back-up Nominal Apparent Power (kVA)	50	-	100	-
Max. Output Apparent Power without Grid (kVA)	55	-	110	-
Max. Output Apparent Power with Grid (kVA)	55	-	110	-
Max. Output Current (A)	79.8	-	159.5	-
Nominal Output Voltage (V)	400	-	400	-
Nominal Output Frequency (Hz)	50 / 60	-	50 / 60	-
Output THDv (@Linear Load)	<3%	-	<3%	-
<b>Efficiency</b>				
Max. Efficiency	97.6%			
European Efficiency	97.3%			
Max. Battery to AC Efficiency	97.2%			
MPPT Efficiency	99.9%			
<b>Protection</b>				
PV Insulation Resistance Detection	Integrated			
Residual Current Monitoring	Integrated			
PV Reverse Polarity Protection	Integrated			
Battery Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
DC Switch	Integrated			
AC Switch	Integrated			
DC Surge Protection	Type II (Type I + II Optional)			
AC Surge Protection	Type II (Type I + II Optional)			
Emergency Power Off	Integrated			
Remote Shutdown	Integrated			
<b>General Data</b>				
Operating Temperature Range (°C)	-20 ~ +60 (>45°C derating)			
Relative Humidity	0 ~ 95% (Non-condensing)			
Max. Operating Altitude (m)	4000			
Cooling Method	Smart Fan Cooling			
User Interface	LED, LCD, WLAN + APP			
Communication with BMS	RS485, CAN			
Communication with Meter	RS485			
Communication with Portal	RS485, LAN			
Weight (kg)	<200	<200	<260	<260
Dimension (W x H x D mm)	585 x 1360 x 750			
Noise Emission (dB)	<68			
Topology	Non-isolated			
Ingress Protection Rating	IP20			
Mounting Method	Grounded			

\*1: The models with the '06' suffix do not include an automatic switching module, specifically designed for 'grid-tied' applications.

\*: Please visit GoodWe website for the latest certificates.

# BTC Series

50/100kW | Three phase  
AC-coupled retrofit inverter (HV)

The GoodWe BTC Series is an AC-coupled retrofit inverter designed for three-phase systems in distributed PV setups. It seamlessly integrates with high-voltage batteries, offering a voltage range of 200 to 865V. Featuring a straightforward Plug & Play modular design, the GoodWe BTC Series comprises four sections: DC/DC, DG/AC, STS, and EMS modules. This design facilitates easy installation and maintenance.

Featuring UPS-level switching with an impressive response time of less than 10ms, the GoodWe BTC Series ensures a seamless and uninterrupted power supply for critical loads. When combined with the GoodWe battery system Lynx C, which ranges from 101kWh to 156kWh, a highly efficient energy storage solution is formed. This combination is ideal for maximizing the utilization of renewable energy in distributed PV systems.



## Smart Control & Monitoring

- <10ms UPS-level switching
- Multi-protocol communication



## Friendly & Thoughtful Design

- Modularized design
- Plug & Play



## Superb Safety & Reliability

- Built-in Type II SPD on AC side
- Integrated remote shutdown



## Flexible & Adaptable Applications

- Peak load shaving
- 100% unbalanced output

## BTC Series

GOODWE

Technical Data	GW50K07-BTC	GW50K06-BTC <sup>*1</sup>	GW100K07-BTC	GW100K06-BTC <sup>*1</sup>
<b>Battery Input Data</b>				
Battery Type	Li-Ion			
Nominal Battery Voltage (V)	422.4 / 499.2 / 576.0 / 652.8			
Battery Voltage Range (V)	200 ~ 865			
Start-up Voltage (V)	200			
Number of Battery Input	1	1	2	2
Max. Continuous Charging Current (A)	100	100	100 / 100	100 / 100
Max. Continuous Discharging Current (A)	100	100	100 / 100	100 / 100
Max. Charging Power (kW)	50	50	100	100
Max. Discharging Power (kW)	55	55	110	110
<b>AC Output Data (On-grid)</b>				
Nominal Output Power (kW)	50	50	100	100
Nominal Apparent Power Output to Utility Grid (kVA)	50	50	100	100
Max. Apparent Power Output to Utility Grid (kVA)	55	55	110	110
Max. Apparent Power from Utility Grid (kVA)	55	55	110	110
Nominal Output Voltage (V)	400, 3L / N / PE			
Output Voltage Range (V)	312 ~ 460 (AU); 318 ~ 497 (Germany)			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	47 ~ 52 (AU); 47.5 ~ 51.5 (Germany)			
Max. AC Current Output to Utility Grid (A)	79.8	79.8	159.5	159.5
Max. AC Current from Utility Grid (A)	79.8	79.8	159.5	159.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>AC Output Data (Back-up)</b>				
Back-up Nominal Apparent Power (kVA)	50	-	100	-
Max. Output Apparent Power without Grid (kVA)	55	-	110	-
Max. Output Apparent Power with Grid (kVA)	55	-	110	-
Max. Output Current (A)	79.8	-	159.5	-
Nominal Output Voltage (V)	400	-	400	-
Nominal Output Frequency (Hz)	50 / 60	-	50 / 60	-
Output THDv (@Linear Load)	<3%	-	<3%	-
<b>Efficiency</b>				
Max. Efficiency	97.6%			
European Efficiency	97.3%			
Max. Battery to AC Efficiency	97.2%			
<b>Protection</b>				
Residual Current Monitoring	Integrated			
Battery Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
DC Switch	Integrated			
AC Switch	Integrated			
AC Surge Protection	Type II (Type I + II Optional)			
Emergency Power Off	Integrated			
Remote Shutdown	Integrated			
<b>General Data</b>				
Operating Temperature Range (°C)	-20 ~ +60 (>45°C derating)			
Relative Humidity	0 ~ 95% (Non-condensing)			
Max. Operating Altitude (m)	4000			
Cooling Method	Smart Fan Cooling			
User Interface	LED, LCD, WLAN + APP			
Communication with BMS	RS485, CAN			
Communication with Meter	RS485			
Communication with Portal	RS485, LAN			
Weight (kg)	<200	<200	<240	<240
Dimension (W x H x D mm)	585 x 1360 x 750			
Noise Emission (dB)	<68			
Topology	Non-isolated			
Ingress Protection Rating	IP20			
Mounting Method	Grounded			

\*1: The models with the '06' suffix do not include an automatic switching module, specifically designed for 'grid-tied' applications.

\*: Please visit GoodWe website for the latest certificates.



# Lynx C Series

## 101-156kWh I High Voltage Battery

Featuring enhanced safety and reliable performance, GoodWe's high-voltage battery Lynx C Series has been specially designed for various C&I solar rooftop applications. Lynx C combines with GoodWe hybrid inverter ETC Series and retrofit battery inverter BTC Series to form a highly-flexible energy storage system that helps manage energy use for maximized self-consumption and ensures a reliable power supply for business. In addition, the system allows the user to level out peak demands and ultimately leads to the reduction of electricity bills. The battery comes with automatic detection of extended battery modules, which enables easy configuration and fast commissioning.



### Smart Control

- Remote monitoring & updates via inverter
- Low-power sleep mode



### Friendly & Thoughtful Design

- Auto-recognition modules
- Easy to transport



### Superb Safety & Reliability

- Black start capability
- Insulation resistance test



### Flexible & Adaptable Applications

- 101-156kWh wide capacity range
- Compatible with GoodWe BTC and ETC Series

## Lynx C Series

**GOODWE**

Technical Data	LX C101-10	LX C120-10	LX C138-10	LX C156-10
Usable Energy (kWh) <sup>1</sup>	101.38	119.81	138.24	156.67
Battery Module	LX C9.2-10: 38.4V 9.21kWh			
Number of Modules	11	13	15	17
Cell Type	LFP (LiFePO4)			
Nominal Voltage (V)	422.4	499.2	576.0	652.8
Operating Voltage Range (V)	369.6 ~ 468.6	436.8 ~ 553.8	504.0 ~ 639.0	571.2 ~ 724.2
Nominal Dis- / Charge Current (A) <sup>2</sup>	100			
Nominal Power (kW) <sup>2</sup>	42.24	49.92	57.60	65.28
Operating Temperature Range (°C)	Charge: 0 ~ +45; Discharge: -20 ~ +50			
Relative Humidity	0 ~ 95%			
Max. Operating Altitude (m)	2000			
Communication	CAN + RS485			
Weight (kg)	1120	1280	1480	1650
Dimensions (W x H x D mm)	1155 x 1650 x 730		1155 x 2065 x 730	
Ingress Protection Rating	IP21			
Mounting Method	Grounded			
Standard and Certification	Safety	IEC62619, IEC62040, IEC63056		
	EMC	IEC / EN61000-6-1 / 2 / 3 / 4		
	Transportation	UN38.3		

\*1: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ±2 °C for battery system at beginning life. System Usable Energy may vary with different Inverter.

\*2: Nominal Charge / Discharge and power derating will occur related to Temperature and SOC.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

# ESA Series

## 30kW/60kWh | C&I Energy Storage System

GoodWe's ESA 30kW/60kWh all-in-one outdoor cabinet, designed for small to medium size commercial and industrial (C&I) energy storage applications, is a compact, easy-to-install, and high-performance turnkey solution energy storage system. The ESA Series seamlessly integrates battery, inverter, and BMS/EMS components into a single cabinet, complemented by air-conditioning units, along with fireproof and explosion-proof features. Its modular design ensures minimal disruption in case of local failures, facilitating quick and effortless module replacement. Multiple cabinets can be connected in parallel to expand the size of the energy storage system, enabling flexible configurations.



### Smart Control & Monitoring

- Remote monitoring & updates
- Smart energy management system



### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability for long-term performance
- IP55 and C4 corrosion protection for indoor & outdoor installation
- Fire suppression and explosion prevention design



### All-in-one Design

- Compact, easy-to-install design for reduced installation and O&M costs
- Modular design with high power and energy density



### Efficient & Flexible Applications

- Supports a multi-cabinet parallel connection and easy system expansion
- Integrated BMS/EMS, suitable for various applications

## ESA Series

Technical Data	GW30K-ET
<b>Battery Input Data</b>	
Battery Type	Li-Ion
Nominal Battery Voltage (V)	500
Battery voltage range (V)	200 ~ 800
Start-up Voltage (V)	180
Number of Battery Input	2
Max. Continuous Charging Current (A)	50 x 2
Max. Continuous Discharging Current (A)	50 x 2
Max. Charging Power (W)	30000
Max. Discharging Power (W)	30000
<b>PV String Input Data</b>	
Max. Input Power (W) <sup>*1</sup>	45000
Max. Input Voltage (V) <sup>*2</sup>	1000
MPPT Operating Voltage Range (V)	200 ~ 850
Start-up Voltage (V)	200
Nominal Input Voltage (V)	620
Max. Input Current per MPPT (A)	30
Max. Short Circuit Current per MPPT (A)	38
Number of MPP Trackers	2
Number of Strings per MPPT	2 / 2 / 2
<b>AC Output Data (On-grid)</b>	
Nominal Output Power (W)	30000
Nominal Apparent Power Output to Utility Grid (VA)	30000
Max. Apparent Power Output to Utility Grid (VA) <sup>*3,11</sup>	33000
Max. Apparent Power from Utility Grid (VA) <sup>*9</sup>	30000
Nominal Output Voltage (V)	380 / 400, 3L / N / PE
Output Voltage Range (V) <sup>*4</sup>	0 ~ 300
Nominal AC Grid Frequency (Hz)	50 / 60
AC Grid Frequency Range (Hz)	45 ~ 65
Max. AC Current Output to Utility Grid (A) <sup>*5</sup>	47.8
Max. AC Current From Utility Grid (A) <sup>*10</sup>	43.5
Power Factor	~ 1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Total Harmonic Distortion	<3%
<b>AC Output Data (Back-up)</b>	
Back-up Nominal Apparent Power (VA)	30000
Max. Output Apparent Power without Grid (VA) <sup>*5</sup>	30000 (36000@60s)
Max. Output Apparent Power with Grid (VA)	30000
Max. Output Current (A)	45.5 (54.5@60s)
Nominal Output Voltage (V)	380 / 400
Nominal Output Frequency (Hz)	50 / 60
Output THDv (@Linear Load)	<3%
<b>Efficiency</b>	
Max. Efficiency	98.0%
European Efficiency	97.5%
Max. Battery to AC Efficiency	97.5%
MPPT Efficiency	99.9%
<b>Protection</b>	
PV String Current Monitoring	Integrated
PV Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
PV Reverse Polarity Protection	Integrated
Battery Reverse Polarity Protection	Integrated
Anti-islanding Protection	Integrated
AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Overvoltage Protection	Integrated
DC Switch <sup>*6</sup>	Integrated
DC Surge Protection	Type II
AC Surge Protection	Type III
AFCI	Optional
Rapid Shutdown	Optional
Remote Shutdown	Integrated
<b>General Data</b>	
Operating Temperature Range (°C)	-35 ~ +60
Relative Humidity	0 ~ 95%
Max. Operating Altitude (m)	4000
Cooling Method	Smart Fan Cooling
User Interface	LED, WLAN + APP
Communication with BMS	RS485 / CAN
Communication with Meter	RS485
Communication with Portal	WiFi / 4G
Weight (kg)	54
Dimension (W x H x D mm)	520 x 660 x 220
Noise Emission (dB)	<60
Topology	Non-isolated
Self-consumption at Night (W) <sup>*7</sup>	<15
Ingress Protection Rating	IP66
Mounting Method	Wall Mounted

\*1: In Australia, for most of the PV module, the max. Input power can achieve 2\*Pn. Such as the max. input power of GW15K-ET can achieve 30000W. Besides, Max. Input Power, not continuous for 1.5\*normal power.

\*2: For 1000V system, Maximum operating voltage is 950V.

\*3: According to the local grid regulation.

\*4: Output Voltage Range: phase voltage.

\*5: Can be reached only if PV and battery power is enough.

\*6: DC Switch: GHX6-55P (for Australia).

\*7: No Back-up Output.

\*8: For 380V grid, the Max. AC Current Output to Utility Grid is 50.0A for GW30K-ET.

\*9: When the load is connected to the inverter's backup port, the Max. Apparent Power from Utility Grid can reach to 33K for GW30K-ET respectively.

\*10: When the load is connected to the inverter's backup port, the Max. AC Current From Utility Grid can reach to 50A for GW30K-ET respectively.

\*11: For Austria, Max. Output Power (W) is 30K for GW30K-ET.

\*: For 380V grid, the Nominal Output Current is 45.5A for GW30K-ET.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

**Technical Data**      **GW60KWH-D-10**      **GW60KWH-D-10 (Extension)**

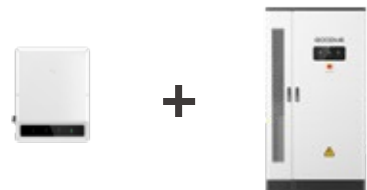


Battery Data		
Usable Energy (kWh) <sup>1</sup>	60	
Cell Type	LFP (LiFePO4)	
Pack Nominal Energy (kWh)	5.76	
Number of Packs	11	
Nominal Voltage (V)	633.6	
Operating Voltage Range (V)	554.4 ~ 712.8	
Max. Charge / Discharge Current (A) <sup>2</sup>	96	
Cycle Life <sup>3</sup>	≥5000	
Depth of Discharge	100%	
Efficiency		
Round-trip Efficiency	95%	
General Data		
Operating Temperature Range (°C)	Charge: 0 ~ +55; Discharge: -25 ~ +55	
Storage Temperature (°C)	0 ~ +35 (<One Year); -20 ~ 0 (≤One Month); +35 ~ +45 (≤One Month)	
Relative Humidity	0~95%	
Max. Operating Altitude (m)	3000	
Heating & Cooling	Air Conditioner	
Communication Interface	CAN	
Weight (kg)	appro.1029.5	appro.972
Dimension (W x H x D mm)	1108 x 2050 x 1111.5	808 x 2050 x 1111.5
Ingress Protection Rating	IP55	
Anti-Corrosion <sup>4</sup>	C4 (Optional upgrade to C5)	
Fire Suppression	Perfluoro	

\*1: Test conditions, 100% DOD, 0.5C charge & discharge at +25 ±2 °C for battery system at beginning life. System Usable Energy may vary with different Inverter.  
 \*2: Actual Dis- / Charge Current and power derating will occur related to Cell Temperature and SOC.  
 \*3: Based on Cell test condition of 25 ±2°C, 0.5C / 0.5C and 80% EOL.  
 \*4: Excluding locks.  
 \*: Please visit GoodWe website for the latest certificates.  
 \*: All pictures shown are for reference only. Actual appearance may vary.

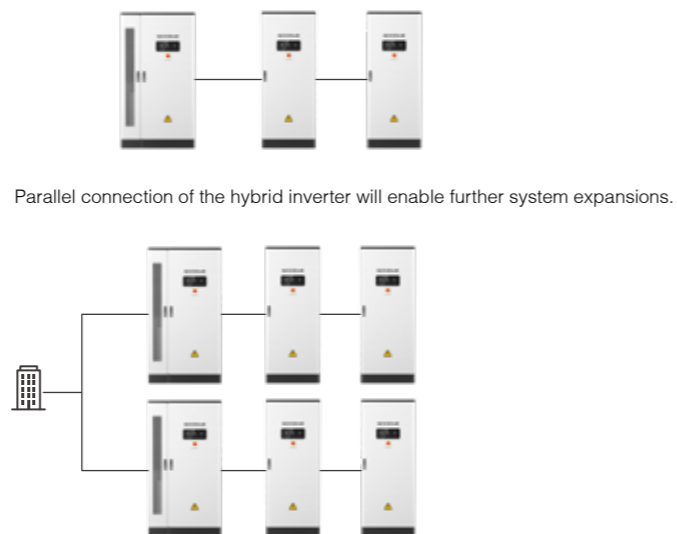
**C&I Energy Storage Solution**

The energy storage system of the ESA 30kW/60kWh series is composed of the GoodWe hybrid inverter ET 30kW series and Lynx C 60kWh battery system.



**Extension of the Energy Storage Solution**

The energy storage system can be expanded by connecting up to two additional Lynx C 60kWh extension batteries (model GW60KWH-D-10-Extension), resulting in 180kWh battery capacity.



Parallel connection of the hybrid inverter will enable further system expansions.



**ESA Series**

**50kW/100kWh | C&I Energy Storage System**

The GoodWe ESA Series presents an all-in-one energy storage system specifically designed for small to medium-sized commercial and industrial (C&I) applications. With a power and capacity of 50kW/100kWh, it offers a reliable and efficient solution for diverse C&I scenarios, including industrial parks and commercial complexes. The solution boasts a modular design, offering flexibility for expansion and convenience during installation, operation, and maintenance. With its IP55 ingress protection, the solution is perfectly suited for outdoor installations, safeguarding it against dust, dirt, and water ingress. Additionally, the system supports the parallel connection of batteries and inverters, allowing for the expansion of the energy storage system size and enabling flexible configurations.



COMING SOON



**Smart Control & Monitoring**

- Remote monitoring & updates
- Multi-protocol communication supported



**Friendly & Thoughtful Design**

- Compact, easy-to-install design for reduced installation and O&M costs
- Modular design with high power and energy density



**Superb Safety & Reliability**

- Reliable LFP technology with high cycle stability for long-term performance
- IP55 and C4 corrosion protection for indoor & outdoor installation
- Fire suppression and explosion prevention design



**Flexible & Adaptable Applications**

- Integrated BMS/EMS, suitable for various applications
- Support a multi-cabinet parallel connection for easy system expansion

Technical Data		GW50K-ET-10
<b>Battery Input Data</b>		
Battery Type		Li-Ion
Nominal Battery Voltage (V)		500
Battery Voltage Range (V)		200 ~ 800
Start-up Voltage (V)		200
Number of Battery Input		1
Max. Continuous Charging Current (A)		100
Max. Continuous Discharging Current (A)		100
Max. Charging Power (W)		55000
Max. Discharging Power (W)		55000
<b>PV String Input Data</b>		
Max. Input Power (W)		75000
Max. Input Voltage (V)		1000
MPPT Operating Voltage Range (V)		165 ~ 850
Start-up Voltage (V)		160
Nominal Input Voltage (V)		620
Max. Input Current per MPPT (A)		42 / 32 / 42 / 32
Max. Short Circuit Current per MPPT (A)		55 / 42 / 55 / 42
Number of MPP Trackers		4
Number of Strings per MPPT		2
<b>AC Output Data (On-grid)</b>		
Nominal Output Power (W)		50000
Nominal Apparent Power Output to Utility Grid (VA)		50000
Max. Apparent Power Output to Utility Grid (VA)		55000
Max. Apparent Power from Utility Grid (VA)		55000
Nominal Output Voltage (V)		380 / 400, 3L / N / PE
Output Voltage Range (V)		176 ~ 276
Nominal AC Grid Frequency (Hz)		50 / 60
AC Grid Frequency Range (Hz)		45 ~ 65
Max. AC Current Output to Utility Grid (A)		75.8
Max. AC Current From Utility Grid (A)		75.8
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Total Harmonic Distortion		<3%
<b>AC Output Data (Back-up)<sup>*1</sup></b>		
Back-up Nominal Apparent Power (VA)		50000
Max. Output Apparent Power (VA)		55000 (60000 at 60sec, 75000 at 10sec)
Max. Output Current (A)		83.3
Nominal Output Voltage (V)		380 / 400, 3L / N / PE
Nominal Output Frequency (Hz)		50 / 60
Output THDv (@Linear Load)		< 3%
<b>Efficiency</b>		
Max. Efficiency		98.1%
European Efficiency		97.5%
Max. Battery to AC Efficiency		97.7%
MPPT Efficiency		99.0%
<b>Protection</b>		
PV String Current Monitoring		Integrated
PV Insulation Resistance Detection		Integrated
Residual Current Monitoring		Integrated
PV Reverse Polarity Protection		Integrated
Battery Reverse Polarity Protection		Integrated
Anti-islanding Protection		Integrated
AC Overcurrent Protection		Integrated
AC Short Circuit Protection		Integrated
AC Overvoltage Protection		Integrated
DC Switch		Integrated
DC Surge Protection		Type II (Type I + II Optional)
AC Surge Protection		Type II
AFCI		Optional
Rapid Shutdown		Optional
Remote Shutdown		Integrated
<b>General Data</b>		
Operating Temperature Range (°C)		-35 ~ +60
Relative Humidity		0 ~ 95%
Max. Operating Altitude (m)		4000
Cooling Method		Smart Fan Cooling
User Interface		LED, WLAN + APP
Communication with BMS		CAN
Communication with Meter		RS485
Communication with Portal		WiFi + LAN / 4G (Optional)
Weight (kg)		65
Dimension (W x H x D mm)		520 x 660 x 260
Topology		Non-isolated
Self-consumption at Night (W)		< 15
Ingress Protection Rating		IP66
Mounting Method		Wall Mounted

\*1. Backup function can be only realized with STS Box (Static Transfer Switch Box).

\*: Please visit GoodWe website for the latest certificates.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

Technical Data		GW100KWH-D-10	GW100KWH-D-10 (Extension)
<b>Battery Data</b>			
Cell Type		LFP (LiFePO4)	
Pack Nominal Energy (kWh)		14.4	
Number of Packs		7	
Usable Energy (kWh) <sup>*1</sup>		100	
Nominal Voltage (V)		672	
Operating Voltage Range (V)		567 ~ 756	
Max. Charge / Discharge Current (A) <sup>*2</sup>		Charge: 90; Discharge: 120	
Cycle Life <sup>*3</sup>		≥4000	
<b>Efficiency</b>			
Round-trip Efficiency		94% @100%DOD.0.5C	
<b>General Data</b>			
Charging Operating Temperature Range (°C)		0 ~ +55	
Discharging Operating Temperature Range (°C)		-25 ~ +55	
Storage Temperature (°C)		0 ~ +35 (<One Year); -10 ~ 0 (<One Month); +35 ~ +40 (<One Month)	
Relative Humidity		0 ~ 95%R.H. No condensation	
Max. Operating Altitude (m)		3000	
Heating & Cooling		Air Conditioner	
User Interface		LED indicator	
Communication Interface		CAN	
Weight (kg)		approx. 1520	approx. 1420
Dimension (W x H x D mm)		approx. 1200 x 2070 x 1050	approx. 870 x 2070 x 1050
Ingress Protection Rating		IP55	
Anti-Corrosion <sup>*4</sup>		C4 (Optional upgrade to C5)	
Fire Suppression		Optional, Aerosol / Perfluorohexanone. (for cabinet)	
<b>Certification</b>			
Safety Regulation		IEC62619 / 63056, IEC60730-1, CE-LVD 62477-1, IEC62040-1	
EMC		EN IEC61000-6-1, EN IEC61000-6-2, EN IEC61000-6-3, EN IEC61000-6-4	

\*1: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ±2°C for battery system at beginning life. System Usable Energy may vary with different Inverter.

\*2: Actual Dis- / Charge Current and power derating will occur related to Cell Temperature and SOC. And, Max C-rate continuous time is affected by SOC, Cell Temperature, Atmosphere environment temperature, Air-conditioner refrigeration capacity.

\*3: Based on test condition of 25 ±2°C, 0.5C / 0.5C and 80% EOL.

\*4: Excluding locks.

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

### C&I Energy Storage Solution

The energy storage system of the ESA 50kW/100kWh series is composed of the GoodWe hybrid inverter ET 50kW series and Lynx C 100kWh battery system. Additionally, when paired with the Static Transfer Switch (STS) Box from GoodWe, this storage solution can not only enable dependable UPS-level switching to backup mode but also interact with diesel generators to efficiently replenish batteries.

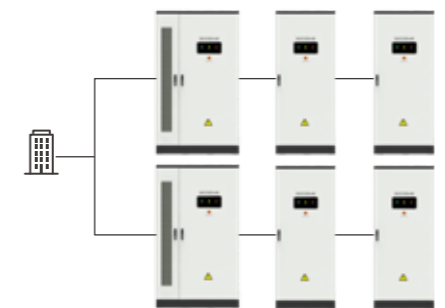


### Extension of the Energy Storage Solution

The energy storage system can be expanded by connecting up to two additional Lynx C 100kWh extension batteries (model GW100KWH-D-10-Extension), resulting in 300kWh battery capacity.



Parallel connection of the hybrid inverter will enable further system expansions.



\*The parallel connection feature for ET 50kW inverters is expected in late 2024.

# UTILITY SCALE PV PRODUCTS

---

006

## Inverter

- HT
- UT

## MV Station



# HT Series

225/250kW | Three phase | 6/12 MPPTs

The new HT1500V Series (225/250kW) is GoodWe's top inverter with an extensive list of features designed to reduce system and O&M costs. It is a perfect choice for the utilization of utility-scale centralized PV plants to maximize the return of investment. The HT1500V Series boasts options of 6 MPPTs and 12 MPPTs, reactive power compensation, and is compatible with bifacial 182mm/210mm modules. It features string level monitoring for intelligent detection of current issues. The series is also equipped with optional Anti-PID function and can realize 24-hour monitoring. For GW225KN-HT & GW250KN-HT, the unique mechanism of smart string protection switch is supported for the DC side protection against short circuits or reverse connections. The configuration of the HT1500V can be easily done via bluetooth, while firmware diagnosis and upgrading can be operated remotely. These outstanding sets of features were conceived to ensure the lowest levelized cost of energy (LCOE) and a utility that runs efficiently.



## Smart O&M

- String level monitoring
- Real-time monitoring



## Lower Cost

- AC terminal ready for 300mm<sup>2</sup> aluminum cables
- Reactive power compensation at night



## Superb Safety & Reliability

- Smart string protection switch<sup>1</sup>
- Type II SPD for both DC and AC



## Higher Yields

- 20A max. current per string<sup>1</sup>
- Anti-PID function

1: For GW225KN-HT and GW250KN-HT only.

# HT Series

**GOODWE**

Technical Data	GW225K-HT	GW250K-HT	GW225KN-HT	GW250KN-HT
<b>Input</b>				
Max. Input Voltage (V)			1500	
MPPT Operating Voltage Range (V)			500 ~ 1500	
Start-up Voltage (V)			550	
Nominal Input Voltage (V)			1160	
Max. Input Current per MPPT (A)	30	30	60	60
Max. Short Circuit Current per MPPT (A)	50	50	90	90
Number of MPP Trackers	12	12	6	6
Number of Strings per MPPT	2	2	3	3
<b>Output</b>				
Nominal Output Power (kW)	225	250	225	250
Nominal Output Apparent Power (kVA)	225	250	225	250
Max. AC Active Power (kW)	247.5	250	247.5	250
Max. AC Apparent Power (kVA)	247.5	250	247.5	250
Nominal Output Voltage (V)			800, 3L / PE	
Output Voltage Range (V)			640 ~ 920	
Nominal AC Grid Frequency (Hz)			50 / 60	
AC Grid Frequency Range (Hz)			45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	178.7	180.5	178.7	180.5
Power Factor			~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion			<3%	
<b>Efficiency</b>				
Max. Efficiency			99.0%	
European Efficiency	98.5%	98.5%	98.7%	98.7%
<b>Protection</b>				
PV String Current Monitoring			Integrated	
PV Insulation Resistance Detection			Integrated	
Residual Current Monitoring			Integrated	
PV Reverse Polarity Protection			Integrated	
Anti-islanding Protection			Integrated	
AC Overcurrent Protection			Integrated	
AC Short Circuit Protection			Integrated	
AC Overvoltage Protection			Integrated	
DC Switch			Integrated	
DC Surge Protection			Type II	
AC Surge Protection			Type II	
Emergency Power Off			Optional	
Remote Shutdown			Optional	
Anti-PID			Optional	
PID Recovery			Optional	
Reactive Power Compensation at Night			Integrated	
Power Supply at Night			Integrated	
<b>General Data</b>				
Operating Temperature Range (°C)			-30 ~ +60	
Relative Humidity			0 ~ 100%	
Max. Operating Altitude (m)			5000 (>4000 derating)	
Cooling Method			Smart Fan Cooling	
User Interface			LED (LCD optional), Bluetooth + APP	
Communication			RS485 or PLC	
Communication Protocols			Modbus RTU	
Weight (kg)			111	
Dimension (W x H x D mm)			1091 x 678 x 341	
Topology			Non-isolated	
Self-consumption at Night (W)			<18	
Ingress Protection Rating			IP66	
DC Connector			MC4-Evo2 (4 ~ 6mm <sup>2</sup> )	
AC Connector			OT / DT terminal (Max. 300mm <sup>2</sup> )	

\*: Please visit GoodWe website for the latest certificates.

\*: The product appearance shown is GW225KN-HT / GW250KN-HT. The appearance may vary for GW225K-HT / GW250K-HT.

# UT Series

## 320/350kW | Three Phase | 12/15 MPPTs

The UT 1500V Series (320/350kW) is GoodWe's new three-phase string inverter designed to increase the profitability of utility-scale projects. Offering options of 12 MPPTs and 15 MPPTs, this series comes with a maximum string input current of 15/20A, thus supporting bifacial 182mm/210mm module access. The Anti-PID (Potential Induced Degradation) and PID-recovery functions are available to mitigate and recover from PID effects. Moreover, designed for harsh outdoor environments, the UT inverter is built to withstand extreme temperatures, with a wide operating range of -35°C to +60°C. With enhanced safety, optimal LCOE, and ensured cost-effectiveness, the high-performance UT inverter provides a future-ready solution for utility-scale PV projects.



### Higher Yields

- 20A max. DC input current per string<sup>1</sup>
- Anti-PID and PID recovery



### Lower Costs

- Reactive power compensation at night
- High-speed Power Line Communication (HPLC) for reduced wiring costs



### Superb Safety & Reliability

- IP66 and optional C5 protection
- Full power operation at high temperatures: 350kW@40°, 320kW@45°



### Grid Friendly

- Stable operation under weak grid conditions: SCR≥1.2
- Dynamic reactive power response <30ms

## UT Series

GOODWE

Technical Data	GW320K-UT	GW320KH-UT	GW350K-UT	GW350KH-UT
<b>Input</b>				
Max. Input Voltage (V)	1500			
MPPT Operating Voltage Range (V)	480 ~ 1500			
Start-up Voltage (V)	500			
Nominal Input Voltage (V)	1160			
Max. Input Current per MPPT (A)	30	40	30	40
Max. Short Circuit Current per MPPT (A)	50	60	50	60
Number of MPP Trackers	15	12	15	12
Number of Strings per MPPT	2			
<b>Output</b>				
Nominal Output Power (kW)	320	320	352	352
Nominal Output Apparent Power (kVA)	320	320	352	352
Max. AC Active Power (kW)	352	352	352	352
Max. AC Apparent Power (kVA)	352	352	352	352
Nominal Output Voltage (V)	800, 3L / PE			
Output Voltage Range (V)	720 ~ 880			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65			
Max. Output Current (A)	254			
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>Efficiency</b>				
Max. Efficiency	99.01%			
European Efficiency	98.80%			
<b>Protection</b>				
PV String Current Monitoring	Integrated			
Internal Humidity Monitoring	Integrated			
PV Insulation Resistance Detection	Integrated			
Residual Current Monitoring	Integrated			
PV Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
DC Switch	Integrated			
DC Surge Protection	Type II			
AC Surge Protection	Type II			
Anti-PID and PID recovery	Optional			
Reactive Power Compensation at Night	Optional			
Power Supply at Night	Integrated			
I-V Curve Scan	Optional			
<b>General Data</b>				
Operating Temperature Range (°C)	-35 ~ +60			
Relative Humidity	0 ~ 100%			
Max. Operating Altitude (m)	5000 (>4000 derating)			
Cooling Method	Smart Fan Cooling			
User Interface	LED, LCD (Optional), WLAN + APP			
Communication	RS485 or HPLC			
Communication Protocols	Modbus RTU			
Weight (kg)	124			
Dimension (W x H x D mm)	1120 x 810 x 368			
Topology	Non-isolated			
Self-consumption at Night (W)	<3			
Ingress Protection Rating	IP66			
DC Connector	MC4 (4 ~ 6mm <sup>2</sup> , 10mm <sup>2</sup> Optional)			
AC Connector	OT / DT terminal (Max. 400mm <sup>2</sup> )			

\*: Please visit GoodWe website for the latest certificates.

1: For GW320KH-UT and GW350KH-UT only.

# MV Station

3.5/5/7MVA

GoodWe Medium-voltage Station, a compact step-up power center, is capable of withstanding various types of environments. It offers the highest power density in an energy-efficient and safe solution comprised of MV switchgear, transformer, and LV switchgear for power transformation in large-scale solar plants. The pre-assembled and cost-effective solution is integrated into a prefabricated 20ft container, ideal for easy transportation and quick installation. The Plug-and-Play design makes grid connection exceptionally easy and rapid, and the modular architecture allows for simplified maintenance. All contained electrical components are type-tested according to strict safety standards, providing safety for operators.



## Cost-saving Solution

- 20ft container for easy transportation
- A complete pre-assembled solution to minimize deployment



## High Reliability & Safety

- Type-tested components of reliable quality
- Suitable for harsh environments



## Easy Operation & Maintenance

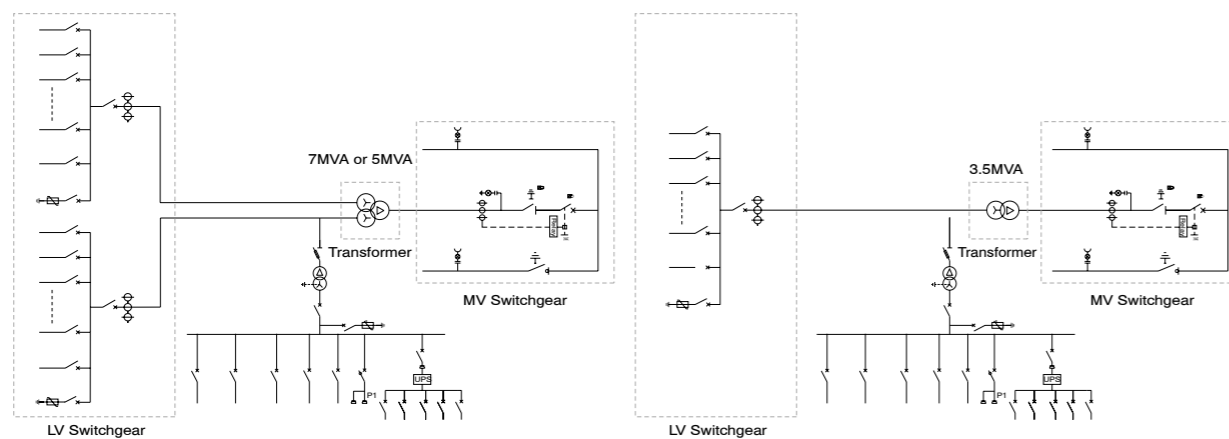
- Plug-and-play installation
- Integrated modular design simplifying maintenance



## Trustworthy Adaptability

- Compatible with HT/UT inverters\*
- Outstanding adaption to extreme environments

## CIRCUIT DIAGRAM



\*: The MCCB model of UT needs to be selected separately.

# MV Station

**GOODWE**

Model	GW3500K-MVS	GW5000K-MVS	GW7000K-MVS
<b>Transformer</b>			
Transformer Type	Oil immersed		
Rated Power (kVA)	3500kVA@40°C	5000kVA@40°C	7000kVA@40°C
Winding Connection	Dy11	Dy11-y11	Dy11-y11
LV / MV Voltage (kV)	0.8 / 10 ~ 35		
Maximun Input Current at Nominal Voltage (A)	2526	2 × 1805	2 × 2526
Frequency (Hz)	50 / 60		
Tapping range	±2 × 2.5%		
Peak Efficiency Index	≥99%		
Cooling Type	ONAN (Oil Natural Air Natural)		
Impedance	7.0% (±10%)	7.5% (±10%)	8.0% (±10%)
Oil Type	Mineral oil (PCB free)		
Winding Material	Al / Al		
Insulation Class	A		
<b>MV Switchgear</b>			
Insulation Type	SF6		
Rate Voltage (kV)	12.0 ~ 40.5		
Rate Current (A)	630		
Internal Arcing Fault	IAC AFL 20kA / 1s		
Qty.of Feeder	2-3 feeders (D / V / C)		
<b>LV Room</b>			
ACB Specification	3200A / 800Vac / 3P, 1pcs	3200A / 800Vac / 3P, 2pcs	3200A / 800Vac / 3P, 2pcs
MCCB Specification	250A / 800Vac / 3P, 14pcs	250A / 800Vac / 3P, 20pcs	250A / 800Vac / 3P, 28pcs
<b>Protection</b>			
AC Input Protection	Circuit breaker		
Transformer Protection	Oil-temperature, oil-level,oil-pressure		
LV Overvoltage Protection	AC Type I + II		
<b>General Date</b>			
Dimensions (W × H × D mm)	6058 × 2896 × 2438		
Approximate Weight (t)	<22		
Operating Temperature Range (°C)	-25 ~ +55		
Auxiliary Power Supply	5kVA / 400V (Optional: max. 20kVA)		
Ingress Protection Rating	IP54		
Relative Humidity	0 ~ 95%		
Max. Operating Altitude (m)	1000 (Optional: 2000)		
Communication	Standard: RS485, Ethernet Optional: Optical Fiber		
Compliance	IEC 60076, IEC 62271-200, IEC 62271-202, IEC 61439-1 / 2, EN50588-1		

\*: Please visit GoodWe website for the latest certificates.



# MONITORING PLATFORM & ACCESSORIES



## Meter

- GM1000/1000D/3000
- GMK110/110D
- GMK330/360
- HK1000/3000
- GM3000C
- GM330

## Smart Dongle

- 4G Module
- Wi-Fi/LAN Kit 2.0
- EzLink

## Data Logger & Communication Box


- EzLogger3000R
- EzLogger3000C
- EzLogger3000U
- SCB3000
- SCB3000A&B
- SCU3000

07

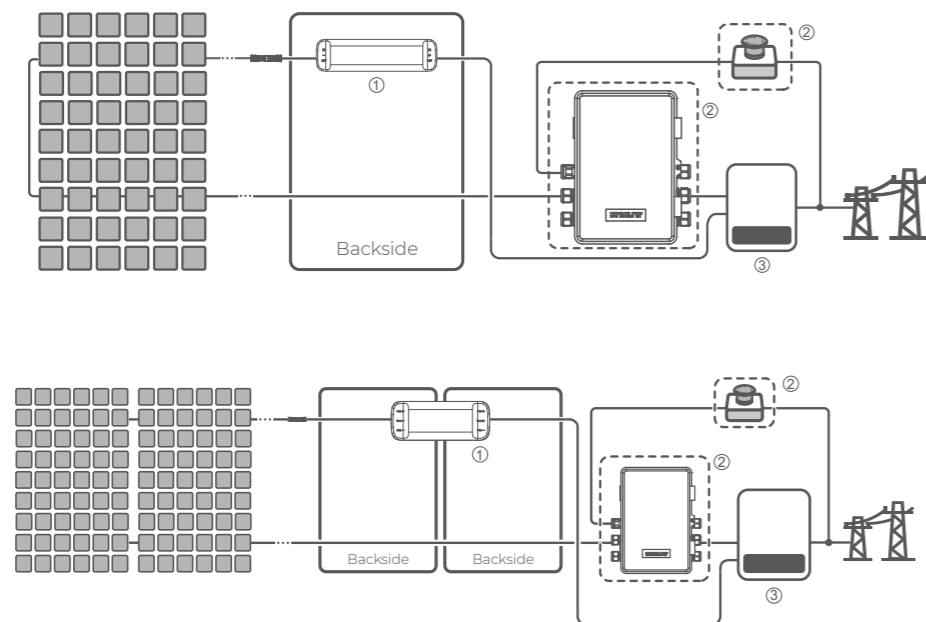
# RSD Receiver



The Rapid Shutdown (RSD) Receiver from GoodWe is a key component of the RSD 2.0 solution for PV systems, can be connected with two modules. Functioning as a module-level rapid shutdown device, it enhances fire safety for solar rooftops and buildings. The Receiver ensures the normal operation of modules by consistently receiving a PLC keep-alive signal from a transmitter integrated into GoodWe's inverters or an external transmitter. During emergencies, the module-level rapid shutdown is activated when the transmitter loses power and the signal becomes absent. In addition, when the external RSD initiator is pressed, the modules can also be shut down.

-  Plug & Play for easy installation
-  Supports PLC communication
-  Integrated SoC for high reliability
-  Meets NEC 2017/2020 requirements and SunSpec certified

## Solution Diagram



- ① RSD Receiver - on the backside of modules
- ② External Transmitter and Initiator - An external transmitter and an external initiator should be added if the inverter does not include an integrated transmitter
- ③ Inverter

## Receiver

Technical Data	GR-B1F-20	GR-B2F-20
Max. Number of Shutdown Module	1	2
Operating Voltage Range (V)	8 ~ 80 Per channel	
Rated Input Current (A)	22	
Mode of Communication	PLC	
Operating Temperature Range (°C / °F)	-40 ~ +85°C (-40 ~ +185°F)	
Ingress Protection Rating	IP68 / UL Type 6P	
Maximum System Voltage (V)	1500	
Security Certification	NEC 2017 & 2020 & 2023 (690.12); UL1741; CSA C22.2 No. 330; IEC / EN62109-1	
EMC Certification	FCC Part15; ICES-003; IEC / EN61000-6-1 / -2 / -3 / -4	
Whether the SunSpec Protocol is Supported	Yes	
Dimension (W x H x D mm / in)	140 x 37 x 23 mm (5.51 x 1.46 x 0.91 in)	132 x 52 x 23 mm (5.20 x 2.05 x 0.91 in)
Cable Length (m / in)	① In: 0.2m, Out: 0.8m (In: 7.87 in, Out: 31.50 in) (Integrated Junction Box) ② In: 1.2m, Out: 0.8m (In: 47.24 in, Out: 31.50 in) (Triad Junction Box) or Customize	① In: 0.2m, Out: 1.4m (In: 7.87 in, Out: 55.12 in) (Integrated Junction Box) ② In: 1.2m, Out: 1.3m (In: 47.24 in, Out: 51.18 in) (Triad Junction Box) or Customize
Connector	MC4 or Customize	

## Waterproof Box-Type PACK with RSD2.0 Transmitter

Technical Data	GTP-F2L-20	GTP-F2M-20
<b>Main Electrical Data</b>		
Power Supply Input Voltage (Vac)	85 ~ 264	180 ~ 550
Transmitter Input Voltage (Vdc)	12	
Transmitter Input Current (DC) (A)	0.8	
Communication	SunSpec PLC	
<b>Core Data</b>		
Number of Core	150A Core	150A Core x 2
Max. Current (A)	150	150 x 2
Max. System Voltage (Vdc)	1500	
Core Line Length (mm / in)	150 mm (5.91 in)	
Internal Dimensions / Outside Dimensions (mm / in)	30 / 60 mm (1.18 / 2.36 in)	
Max Number of Strings <sup>*1</sup>	30 (Max. 15 Per Core)	
<b>Environmental</b>		
Operating Temperature (°C / °F)	-40 ~ +60°C (-40 ~ 140°F)	
Enclosure Environmental Rating	IP65 / UL Type 4	
<b>Mechanical</b>		
Dimensions (W x H x D mm / in)	253 x 328 x 179 mm (9.96 x 12.91 x 7.05 in)	
Mounting Type	Wall Mounted	
<b>Features &amp; Compliance</b>		
Safety Compliance	NEC 2017 & 2020 (690.12); UL1741; CSA C22.2 No. 330-17	
EMC Compliance	FCC Part 15B, ICES-003, IEC / EN61000-6-1 / -2 / -3 / -4	

<sup>\*1</sup>: According to the cable diameter  $\phi$ 5.9mm, if cable diameter is more than 5.9mm, the number of strings per core will be reduced. Care should also be taken not to exceed the allowable current.  
<sup>\*</sup>: Please visit GoodWe website for the latest certificates.

# Residential Meter



Plug and play installation

Working altitude up to 3km

Accuracy Class 1.0

CTs included

Model		GMK110	GMK110D	
Input	Grid	Single-phase		
	Voltage	Nominal Voltage-Line to N (Vac)	230	
		Voltage Range (Vac)	85 ~ 288	
		Nominal AC Grid Frequency (Hz)	50 / 60	
	Current	Current Transformer Ratio	120A: 40mA	
Number of Current Transformers		1	2	
Communication		RS485		
Communication Distance (m)		1000		
User interface		2 LED		
Accuracy	Voltage / Current	Class 1		
	Active Energy	Class 1		
	Reactive Energy	Class 2		
Power Consumption (W)		≤5		
Structural Parameters	Dimensions (W x H x D mm)	19 x 85 x 67		
	Weight (g)	50		
	Mounting	DIN rail		
Environment Parameters	Ingress Protection Rating	IP20		
	Operating Temperature Range (°C)	-30 ~ +60		
	Storage Temperature Range (°C)	-30 ~ +70		
	Relative Humidity (non-condensing)	0% ~ 95%		
	Max. Operating Altitude (m)	3000		

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

# Residential Meter



Power control for residential inverters

CTs included

Wide voltage input range

Compatible with SEMS Portal

Easy Installation

Precise Data Collection


Model		GM1000	GM1000D	GM3000	GMK330	GMK360	
Input	Grid	Single-phase	Single-phase	Three-phase	Three-phase	Three-phase	
	Voltage	Nominal Voltage-Line to N (Vac)	110 / 230	110 / 230	230	220 / 230	220 / 230
		Nominal Voltage-Line to Line (Vac)	-	-	400	380 / 400	380 / 400
		Voltage Range	0.88Un-1.1Un				
		Nominal AC Grid Frequency (Hz)	50 / 60				
Current	Current Transformer Ratio	120A: 40mA			200A: 50mA		
	Number of Current Transformers	1	2	3	3	6	
Communication		RS485					
Communication Distance (m)		1000					
User interface		3 LED, Reset button			4 LED, Reset button		
Accuracy	Voltage / Current	Class 1			Class 0.5		
	Active Energy	Class 1			Class 0.5		
	Reactive Energy	Class 2			Class 1		
Power Consumption (W)		<3			<5		
Mechanical	Dimensions (W x H x D mm)	36 x 85 x 66.5				72 x 85 x 72	
	Housing	2 modules				-	
	Weight (g)	250	360	450	240	240	
	Mounting	Din rail					
Environment	Ingress Protection Rating	IP20					
	Operating Temperature Range (°C)	-25 ~ +60					
	Storage Temperature Range (°C)	-30 ~ +70					
	Relative Humidity (non-condensing)	0 ~ 95%					
	Max. Operating Altitude (m)	2000			3000		

\*: Please visit GoodWe website for the latest certificates.


# GoodWe HomeKit




 24-7 Real-time Consumption Monitoring

 CTs included

 Work with Inverters of Any Brand

 Export Power Control

 Cloud data transmission

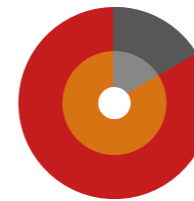
Model		HK1000	HK3000	
Input	Grid	Single-phase	Three-phase	
	Voltage	Nominal Voltage-Line to N (Vac)	230	
		Nominal Voltage-Line to Line (Vac)	-	400
		Voltage Range	0.88Un-1.1Un	
		Nominal AC Grid Frequency (Hz)	50 / 60	
Current	Current Transformer Ratio	120A:40mA	200A:66.7mA / 120A:40mA	
	Number of Current Transformers	2	3	
Communication		RS485 or WLAN		
Communication Distance (m)		RS485:1000, LAN:100, WiFi:10		
Wireless Parameter	Supported Standards & Frequencies	802.11b / g / n (2.412G-2.472G)		
User interface		3 LED, Reset button		
Accuracy	Voltage / Current	Class 1		
	Active Energy	Class 1		
	Reactive Energy	Class 2		
Power Consumption (W)		<3		
Mechanical	Dimensions (W x H x D mm)	72 x 85 x 66.5		
	Housing	4 modules		
	Weight (g)	320	500	
	Mounting	Din rail		
Environment	Ingress Protection Rating	IP20		
	Operating Temperature Range (°C)	-25 ~ +60		
	Storage Temperature Range (°C)	-30 ~ +70		
	Relative Humidity (non-condensing)	0 ~ 95%		
	Max. Operating Altitude (m)	2000		

## 24-Hour Real-time Consumption Monitoring

HomeKit offers 24-hour real-time consumption control. With the assistance of the GoodWe monitoring platform SEMS, HomeKit can calculate self-consumption levels per day, month or year, providing a comprehensive overview of load consumption and the general efficiency achieved in the use of solar energy. Furthermore, the power consumption of the HomeKit itself is insignificant, saving on additional electricity costs.

PV Generation: 15.1kWh

Loads Consumption: 38.7kWh



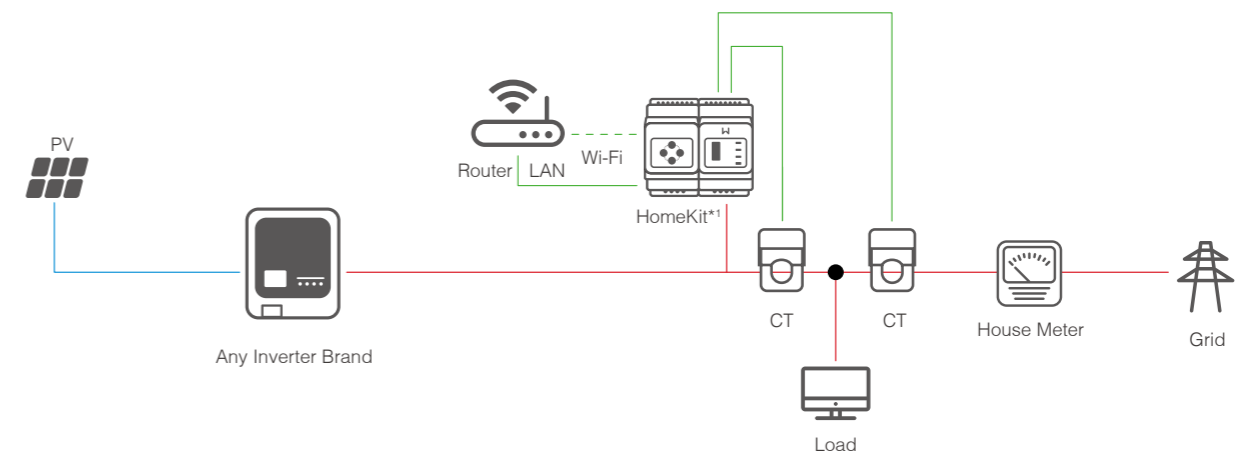
■ Use of PV for self-consumption (83.4%)  
■ Energy exported to the grid (16.6%)



■ Use of PV for self-consumption (32.6%)  
■ Energy imported from the grid (67.4%)

## Double CT Design - Super Accurate Measurement

GoodWe HomeKit is designed to connect with two CTs (Current Transformer), which can measure the inverter side and the grid side at the same time, to ensure maximum accuracy with less than 1% error rate.



\*: Please visit GoodWe website for the latest certificates.

# Commercial & Industrial Meter



- Wide voltage input range
- Large detection range of input
- Export power control
- Easy installation with external CTs
- Configurable CT ratio via APP
- Fully compatible with SEMS Portal

Model		GM3000C		
Input	Grid	Voltage	Three-phase	
			Nominal Voltage-Line to N (Vac)	230
			Nominal Voltage-Line to Line (Vac)	400
			Voltage Range	0.88Un-1.1Un
	Nominal AC Grid Frequency (Hz)	50 / 60		
Current	Current Transformer Ratio		nA:5A	
	Communication		RS485	
Communication Distance (m)		1000		
User interface		3 LED, Reset button		
Accuracy	Voltage / Current		Class 1	
	Active Energy		Class 1	
	Reactive Energy		Class 2	
Power Consumption (W)		<3		
Mechanical	Dimensions (W x H x D mm)		72 x 85 x 66.5	
	Housing		4 modules	
	Weight (g)		200	
	Mounting		Din rail	
Environment	Ingress Protection Rating		IP20	
	Operating Temperature Range (°C)		-25 ~ +60	
	Storage Temperature Range (°C)		-30 ~ +70	
	Relative Humidity (non-condensing)		0 ~ 95%	
	Max. Operating Altitude (m)		2000	

\*: Please visit GoodWe website for the latest certificates.

# Commercial & Industrial Meter



- Power control for a single C&I inverter
- Wide voltage input range
- Easy installation with external CTs
- Compatible with SEMS Portal

Model		GM330		
Input	Grid	Voltage	Three-phase	
			Nominal Voltage-Line to N (Vac)	220 / 230
			Nominal Voltage-Line to Line (Vac)	380 / 400
			Voltage Range	0.88Un-1.1Un
	Nominal AC Grid Frequency (Hz)	50 / 60		
Current	Current Transformer Ratio		nA: 5A	
	Inputs for CT		3	
Communication		RS485		
Communication Distance (m)		1000		
User interface		4 LED, Reset button		
Accuracy	Voltage / Current		Class 0.5	
	Active Energy		Class 0.5	
	Reactive Energy		Class 1	
Power Consumption (W)		<5		
Mechanical	Dimensions (W x H x D mm)		72 x 85 x 72	
	Weight (g)		200	
	Mounting		Din rail	
Environment	Ingress Protection Rating		IP20	
	Operating Temperature Range (°C)		-25 ~ +60	
	Storage Temperature Range (°C)		-30 ~ +70	
	Relative Humidity (non-condensing)		0 ~ 95%	
	Max. Operating Altitude (m)		3000	

\*: Please visit GoodWe website for the latest certificates.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

# 4G Module



# WiFi/LAN Kit-20 Wi-Fi Kit-20



IP65



Stable and reliable



Plug & Play



Wide range of applications



Enhanced Communication Stability



Breakpoint Retransmission



Data Security



Remote Upgrade



Integrated Configuration



Plug & Play

Model	4G Kit-EC	4G Kit-AU
<b>General Data</b>		
Max. Inverters Supported	1	
Connection Interface	USB	
Installation	Plug and Play	
Indicator	LED Indicator	
Dimensions (W x H x D mm)	49 x 96 x 32	
Standard SIM Card Size (mm)	25 x 15	
Ingress Protection Rating	IP65	
Power Consumption (W)	<4	
Operating Temperature Range (°C)	-30 ~ +60	
Storage Temperature Range (°C)	-40 ~ +70	
Relative Humidity	0-100% (non-condensing)	
Max. Operating Altitude (m)	4000	
<b>Wireless Parameter</b>		
LTE-FDD	B1 / B3 / B7 / B8 / B20 / B28A	
LTE-TDD	-	B40
WCDMA	B1 / B8	B1 / B2 / B5 / B8
GSM / GPRS	B3 / B8	

\*: Please visit GoodWe website for the latest certificates.

Model	WiFi/LAN Kit-20	WiFi Kit-20
Input voltage (V)	5	
Power Consumption (W)	≤2	
Connection Interface	USB	
Communication	Ethernet Interface	10M / 100Mbps Self-adaption
	WLAN	IEEE 802.11 b / g / n @2.4 GHz
	Bluetooth	Bluetooth V4.2 BR / EDR Bluetooth LE Specification
Mechanical Parameters	Dimensions (W x H x D mm)	48.3 x 159.5 x 32.1
	Weight (g)	82
	Ingress Protection Rating	IP65
	Installation	Plug and Play
Operating Temperature Range (°C)	-30 ~ +60	
Storage Temperature Range (°C)	-40 ~ +70	
Relative Humidity	0-95%	
Max. Operating Altitude (m)	4000	







\*: Please visit GoodWe website for the latest certificates.





# Ezlink



# EzLogger3000R



-  Safe asymmetric encryption
-  Outstanding system stability
-  Extensive communication methods: WiFi and LAN
-  One-to-many connection
-  Recordable operation logs
-  Powerful protocol compatibility

-  Connecting up to 10 microinverters
-  Support of multiple protocols
-  Data breakpoint resume
-  USB and embedded web for data reading and software upgrade

Model	Ezlink3000
<b>General Data</b>	
Connection Interface	USB
Ethernet Interface (Optional)	10 / 100Mbps self-adaption, Communication distance ≤100m
Installation	Plug and Play
Indicator	LED Indicator
Dimensions (W × H × D mm)	48 × 153 × 32
Weight (g)	130
Ingress Protection Rating	IP65
Power Consumption (W)	≤2W (typical)
Operating Mode	STA
<b>Wireless Parameter</b>	
Bluetooth Communication	Bluetooth 5.1
WiFi Communication	802.11 b / g / n (2.412GHz - 2.484GHz)
<b>Environment</b>	
Operating Temperature Range (°C)	-30 ~ +60
Storage Temperature Range (°C)	-40 ~ +70
Relative Humidity	0 - 100% (non-condensing)
Max. Operating Altitude (m)	4000

\*: Please visit GoodWe website for the latest certificates.  
\*: All pictures shown are for reference only. Actual appearance may vary.

Model	EzLogger3000R
<b>Device Management</b>	
Max. Number of Connected Devices	10
<b>Electrical</b>	
AC Power Supply	AC Input: 100 ~ 240V, 50 / 60Hz; DC Output: 12V
DC Power Supply	12V / 1.5A
Power Consumption (W)	≤2.5
<b>Communication Interface</b>	
LAN	1
RS485	COM × 2
Digital / Analog Input / Output	DI × 4
<b>Communication Protocol</b>	
Ethernet	Modbus-TCP
RS485	Modbus-RTU
<b>User Interface</b>	
LED	LED × 4
WEB	Embedded Web
USB	USB 2.0 × 1
<b>Mechanical</b>	
Dimensions (W × H × D mm)	124 × 119.5 × 89.5
Weight (kg)	0.25
Installation Method	Wall mounting / Desktop mounting
<b>Environment</b>	
Operating Temperature Range (°C)	-20 ~ +60
Storage Temperature Range (°C)	-30 ~ +75
Relative Humidity	0 ~ 95%
Max. Operating Altitude (m)	2000
Ingress Protection Rating	IP20

\*: Please visit GoodWe website for the latest certificates.  
\*: All pictures shown are for reference only. Actual appearance may vary.

# EzLogger3000C



Connecting up to 100 devices

Support of multiple protocols

Data breakpoint resume

USB and embedded web for data reading and software upgrade

# EzLogger3000U



Connecting up to 200 devices

Support of multiple protocols

Data breakpoint resume

USB and embedded web for data reading and software upgrade

Model	EzLogger3000C
<b>Device Management</b>	
Max. Number of Connected Devices	100
<b>Electrical</b>	
Power Adapter	AC Input: 100 ~ 240V, 50 / 60Hz DC Output: 24V
DC Power Supply (V)	24
Power Consumption (W)	<15
<b>Communication Interface</b>	
LAN	2
RS485	COM x 4
WIFI	802.11 b / g / n, 2.412GHz-2.484GHz
4G	Optional
Digital / Analog Input / Output	DI x 4, DO x 2, AI x 4
PT100 / PT1000	PT100 x 1, PT1000 x 1
Active DO	12V, 100mA
<b>Communication Protocol</b>	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
<b>User Interface</b>	
LED	LED x 4
WEB	Embedded Web
USB	USB 2.0 x 1
<b>Mechanical</b>	
Dimensions (W x H x D mm)	255 x 47.5 x 173
Weight (kg)	0.8
Installation Method	Wall Mounting, DIN Rail Mounting, Tabletop Mounting
<b>Environment</b>	
Operating Temperature Range (°C)	-30 ~ +60
Storage Temperature Range (°C)	-40 ~ +70
Relative Humidity	5 ~ 95%
Max. Operating Altitude (m)	5000
Ingress Protection Rating	IP20

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.

Model	EzLogger3000U	EzLogger3000U-A
<b>Device Management</b>		
Max. Number of Connected Devices	200	
<b>Electrical</b>		
AC Power Supply	100 ~ 240V, 50 / 60Hz	
DC Power Supply	24V	
Power Consumption (W)	≤27	
<b>Communication Interface</b>		
LAN	2	
PLC	1xPLC	1xHPLC
RS485	COM x 8	
Digital / Analog Input/Output	DI x 8, DO x 4, AI x 8	
PT100 / PT1000	PT100x2, PT1000x2	
Active DO	12V, 100mA	
<b>Communication Protocol</b>		
Ethernet	Modbus-TCP, IEC 60870-5-104	
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645	
<b>User Interface</b>		
LED	LED x 4	
WEB	Embedded Web	
USB	USB 2.0 x 1	
<b>Mechanical</b>		
Dimensions (W x H x D mm)	430 x 44 x 161	
Weight (kg)	1.2	
Installation Method	Wall Mounting, DIN Rail Mounting, Tabletop Mounting	
<b>Environment</b>		
Operating Temperature Range (°C)	-30 ~ +60	
Storage Temperature Range (°C)	-40 ~ +70	
Relative Humidity	5 ~ 95%	
Max. Operating Altitude (m)	5000	
Ingress Protection Rating	IP20	

\*: Please visit GoodWe website for the latest certificates.

\*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.




# Solar Communication Box 3000




# Solar Communication Box 3000





 Enhanced anti - interference ability

 Longer communication distance


 Increased transmission rate

 Adaptable to I - V curve diagnosis

 Data collection and storage

 Easy O&M

 Power Line Communication 2.0

 Optical fiber ring network

Model	SCB3000
<b>Communication</b>	
Max. Inverters Supported	60
RS485 interface	4
Ethernet	1 × RJ45, 10 / 100 Mbps
Number of PLC	1
Input Voltage Range of PLC (V)	800
<b>Configuration</b>	
Datalogger	Ezlogger Pro × 1
Fibre Channel Switch	2 optical ports, 6 electrical ports
Fiber Termination Box	4-input, 24-output, SC single-mode
Power Supply	100-277Vac, 50 / 60 Hz
Power Consumption (W)	≤18
<b>Mechanical</b>	
Dimensions (W × H × D mm)	350 × 460 × 143
Weight (kg)	10.5
Installation Method	Wall mounting, bracket mounting, pole mounting
<b>Environment</b>	
Operating Temperature Range (°C)	-30 ~ +60
Storage Temperature Range (°C)	-40 ~ +70
Relative Humidity	0-100% (non-condensing)
Max. Operating Altitude (m)	2000
Ingress Protection Rating	IP65

\*: Please visit GoodWe website for the latest certificates.

Model	SCB3000A	SCB3000B
<b>Communication</b>		
Max. Inverters Supported	60	120
RS485 interface	4	8
Ethernet	1 × RJ45, 10 / 100 Mbps	2 × RJ45, 10 / 100 Mbps
Number of PLC	1	2
Input Voltage Range of PLC (V)	800	
<b>Configuration</b>		
Datalogger	Ezlogger Pro × 1	Ezlogger Pro × 2
Fibre Channel Switch	2 optical ports, 6 electrical ports	
Fiber Termination Box	4-input, 24-output, SC single-mode	
Power Supply	100-277 Vac, 50 / 60 Hz	
Power Consumption (W)	≤18	≤30
<b>Mechanical</b>		
Dimensions (W × H × D mm)	724 × 780 × 229	
Weight (kg)	25.5	
Installation Method	Wall mounting, bracket mounting, pole mounting	
<b>Environment</b>		
Operating Temperature Range (°C)	-30 ~ +60	
Storage Temperature Range (°C)	-40 ~ +70	
Relative Humidity	0-100% (non-condensing)	
Max. Operating Altitude (m)	2000	
Ingress Protection Rating	IP65	

\*: Please visit GoodWe website for the latest certificates.



# SCU3000



SD memory card for log storage and export

Embedded Web server for batch configuration and upgrade

Support of multiple protocols

Support of various communication ports

Model	SCU3000-S	SCU3000	SCU3000A-S	SCU3000A
<b>Communication</b>				
Max. Inverters Supported			200	
RS485 interface			8	
Ethernet			2 x RJ45, 10 / 100Mbps	
Number of PLC	1 x PLC	2 x PLC	1 x HPLC	2 x HPLC
Input Voltage Range of PLC (V)			800	
<b>Configuration</b>				
Datalogger	EzLogger3000U x 1	EzLogger3000U x 1	EzLogger3000U-A x 1	EzLogger3000U-A x 1
Fibre Channel Switch		2 optical ports, 6 electrical ports		
Fiber Termination Box		24 ports, SC single-mode		
Power Supply		100 ~ 240Vac, 50 / 60Hz		
Power Consumption (W)	≤30	≤35	≤30	≤35
<b>Mechanical</b>				
Dimensions (W x H x D mm)		723 x 780 x 226		
Weight (kg)	25	28	25	28
Installation Method		Wall mounting, bracket mounting, pole mounting		
<b>Environment</b>				
Operating Temperature Range (°C)		-30 ~ +60		
Storage Temperature Range (°C)		-40 ~ +70		
Relative Humidity		5 ~ 95%		
Max. Operating Altitude (m)		5000		
Ingress Protection Rating		IP65		

\*: Please visit GoodWe website for the latest certificates.

\*: All pictures shown are for reference only. Actual appearance may vary.



## SMART ENERGY MANAGEMENT SYSTEM

Pave The Road For The Future

All-in-one monitoring & comprehensive visualization

Multi-terminal compatibility and sharing

Dynamic carousel of all the plants under your account

Generation report and customized data analysis

Backup deployment for server disaster

Three-step data encryption

## Reliable & Transparent Real-time Monitoring and Control of Power Stations & Comprehensive Visualization



GoodWe Smart Energy Management System (SEMS) is a cost-free monitoring platform which offers reliable operation of photovoltaic plants with maximum yield. SEMS allows operators to simultaneously monitor a diverse range of photovoltaic power plants in different locations in real time and control the installations. Extensive data processing, customized charts, and alarm and maintenance functions ensure that operators, operations managers and asset managers can comfortably and efficiently manage the systems, ensuring maximum yields.

SEMS includes a range of functions and features to ensure reliable operation and to deliver precise information to operators at the press of a button. It is accessible by multiple accounts with different levels of access for owners, installers and EPC companies.

## All-in-One Monitoring & Comprehensive Visualization



- The live and archived data from any PV power plants in a particular account can be called up and graphically displayed

- Dynamic carousel of all the plants under your account

- Lower O&M cost:
- Full visibility of system performance
- & remote troubleshooting



## Multi-terminal Compatibility and Sharing

- Mobile APP
- PC Monitoring
- Real-time Display

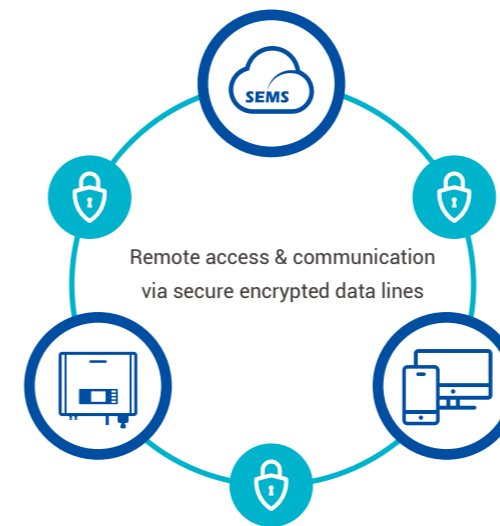
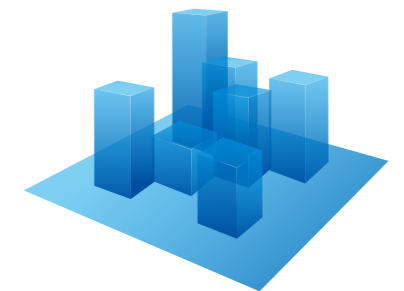
Performance sharing on



## Generation Report and Customized Data Analysis

Precise and comprehensive detection and evaluation of plant data

The content and design of reports can be adjusted to suit your individual requirements. A report generator is also available in addition to standard reports.



## Three-Step Data Encryption

## Backup Deployment for Server Disaster

- High Capacity Server Cloud Backup
- Breakpoint Continuous Data Transfer



Safe



Stable



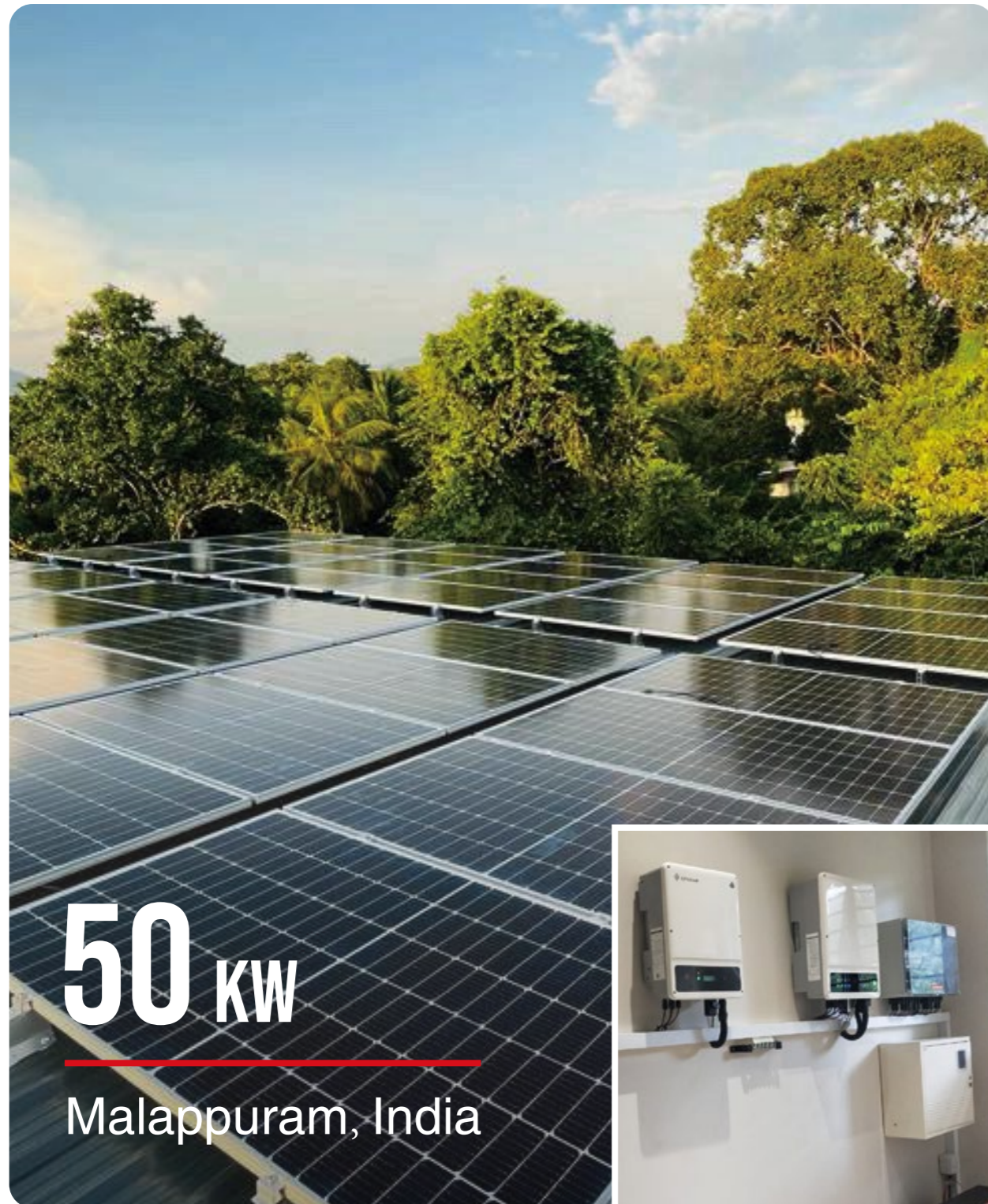
Speedy

# RESIDENTIAL

## CASE REFERENCE

---

08



# CASE REFERENCE



**200** KW

Malaysia



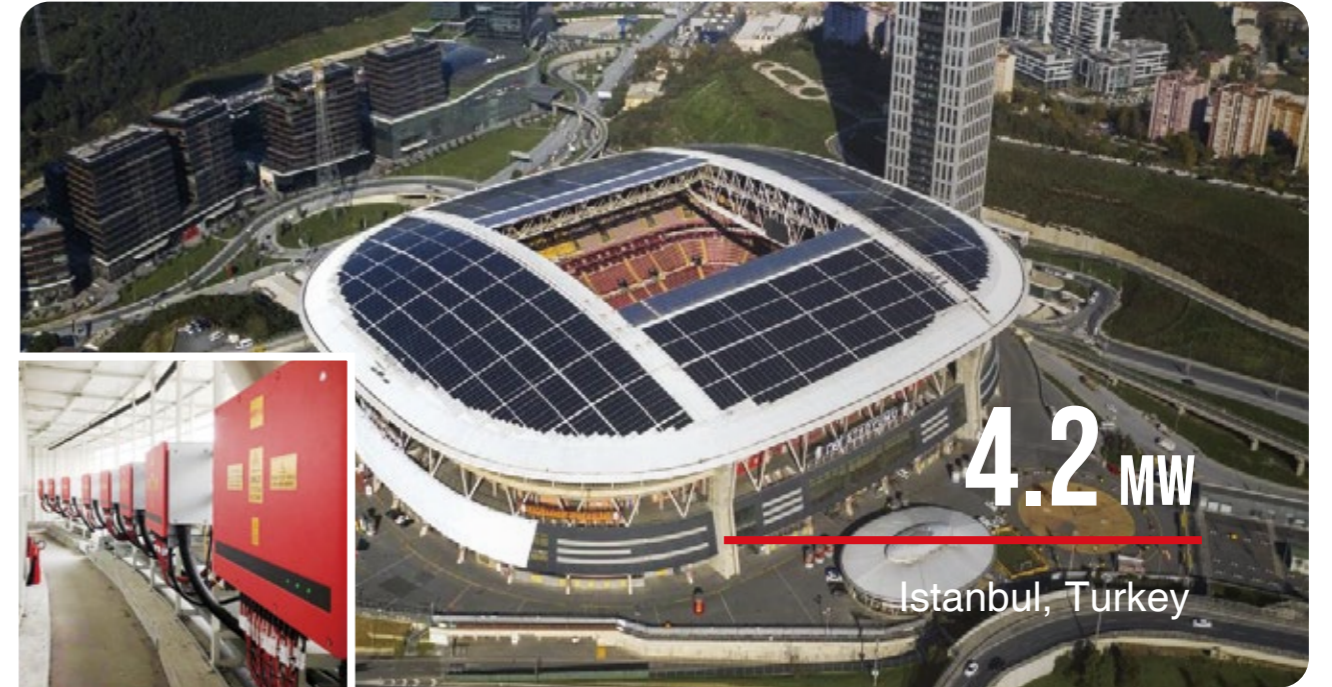
**30** KW

Gujarat, India



**100** KW

Greece



**4.2** MW

Istanbul, Turkey



**1.7** MW

Balakong & Shah Alam,  
Denmark

# UTILITY SCALE

## CASE REFERENCE



**18** MW

Badem, Germany



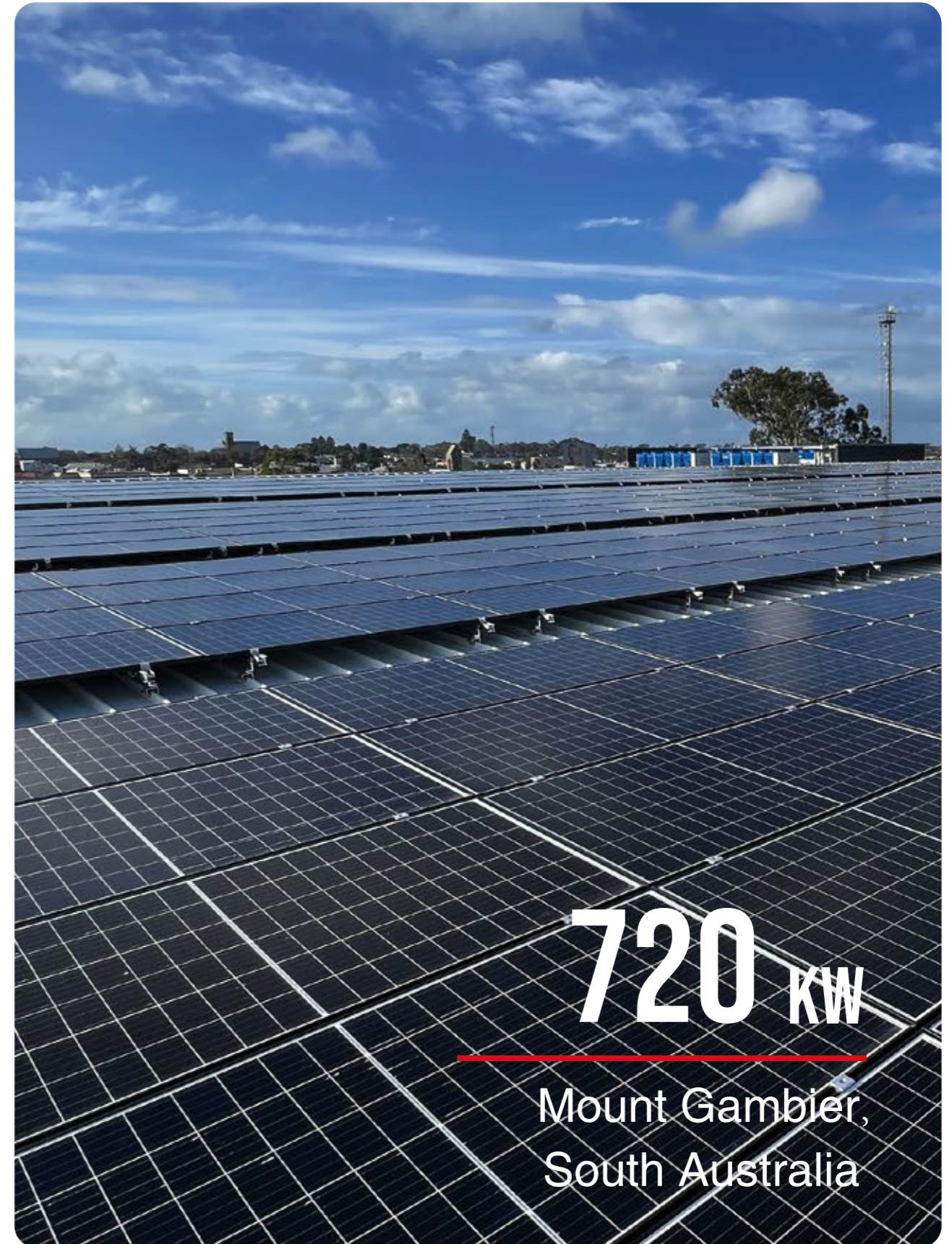
**4.4** MW

China



**1** MW

Nagpur, India



**720** KW

Mount Gambier,  
South Australia

# CUSTOMER SUPPORT SERVICES

# 09

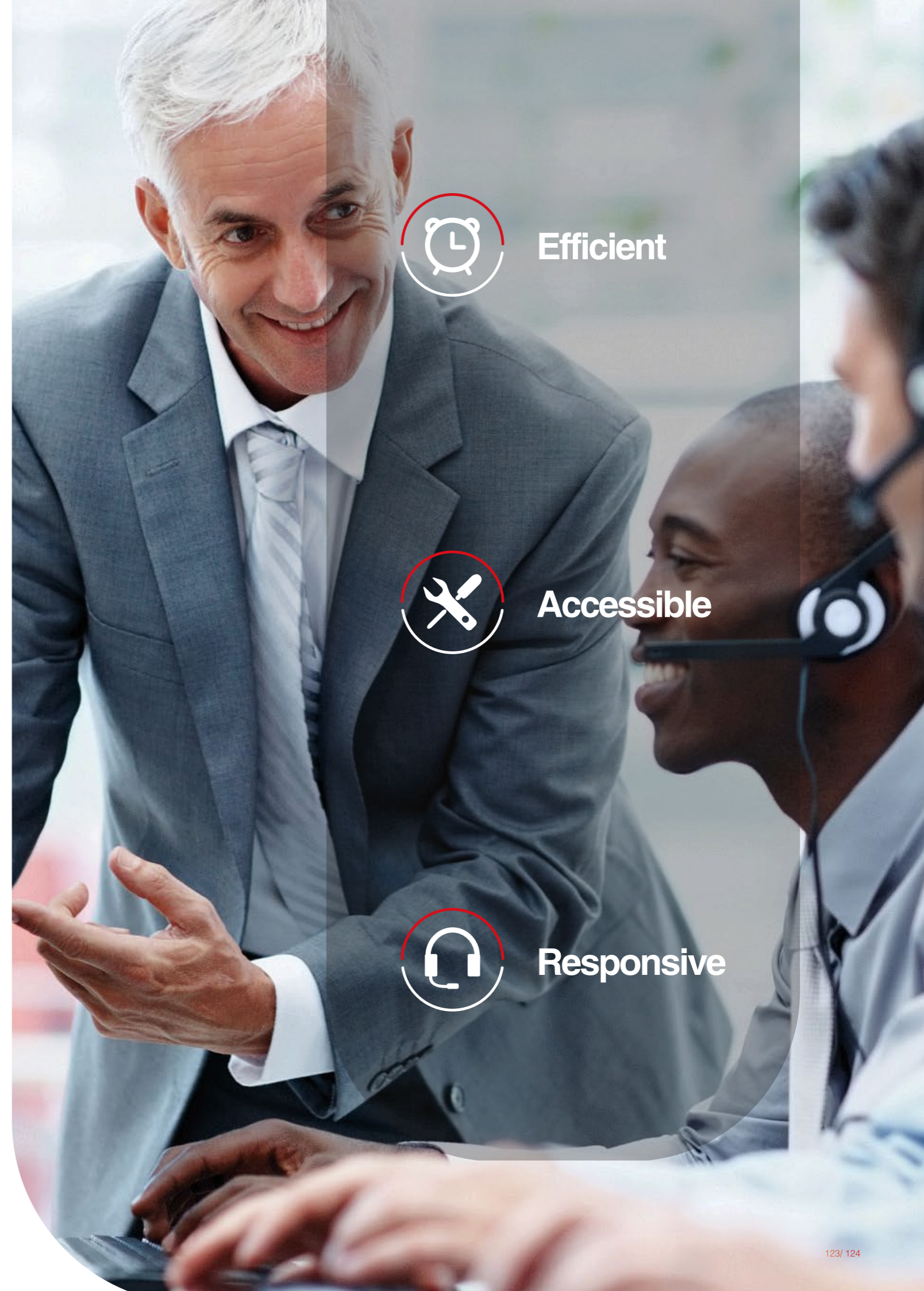
GoodWe provides comprehensive support throughout your journey. From pre-sales consultations to post-purchase assistance, we're here to ensure your satisfaction every step of the way.

## Pre-sales Support

- Product Inquiries
- Technical Consultations
- System Design Assistance

## Post-sales Support

- Installation Guidance
- Troubleshooting Assistance
- System Monitoring & Maintenance Services
- System Upgrades & Expansion
- Ongoing Technical Support
- Warranty Support



Efficient



Accessible



Responsive

# US

# CONTACT

## USA/Canada/Puerto Rico

- +1 925-304-3430 (Sales)  
+1 8884180775 (Service)
- salesNa@goodwe.com (Sales)  
service.us@goodwe.com (Service)
- 16075 E 32nd Ave # A, Aurora, CO 80011

## Mexico

- sales@goodwe.com (Sales)  
soporte.litam@goodwe.com (Service)
- Oswaldo Sanchez Norte 3615, Col. Hidalgo, Monterrey, Nuevo Leon, Mexico, C.P. 64290

## Australia

- Wifi/Communications Support: 02 51040612  
Tech Support: 03 99183905
- sales@goodwe.com (Sales)  
service.au@goodwe.com (Service)
- 2/6 Enterprise Drive, Rowville, VIC 3178

## China

- +86 (0) 512 6958 2201  
+86 (0) 512 6291 6050-8317 (PVBm)
- sales@goodwe.com (Sales) service@goodwe.com (Service)  
pvbm@goodwe.com (PVBm)
- No. 90 Zijin Rd., New District, Suzhou, 215011, China

## India

- +91 9355886166 (Service)
- West & Central India: Aniket.Sawant@goodwe.com (Sales)  
South India: kevin.george@goodwe.com (Sales)  
North India: Varun.Raj@goodwe.com (Sales)  
service.in@goodwe.com (Service)
- 1202, G-Square Business Park, Sector 30A, Opp. Sanpada Railway Stn., Vashi, Navi Mumbai- 400703

## Sri Lanka

- +94 77 3222 387 (Sales)
- kashif.kamil@goodwe.com (Sales)

## Turkey

- +90(0)232 347 73 73
- info@goodwe.com.tr
- Egemenlik Mahallesi, Aydınlık Caddesi, No:43 Bornova / Izmir / TURKEY

## Germany

- +49 89 7807289-0 (Sales)  
+49 32 221092721 (Service)
- sales.de@goodwe.com (Sales)  
service.de@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Poland

- +48 81 884 20 51 (Service)
- sales.pl@goodwe.com (Sales)  
service.pl@goodwe.com (Service)
- ul. Czeszochowska 140, 62-800 Kalisz, Poland

## UK

- +442045770609 (Service)
- sales.uk@goodwe.com (Sales)  
service@goodwe.co.uk (Service)
- 4th Floor, 58-59 Great Marlborough Street, W1F 7JY London, England

## Netherlands

- +31(0)30 737 1140 (Dutch-speaking service for installers)  
+3130 310 0456 (English-speaking service for end users)
- sales.nl@goodwe.com (Sales)  
service.nl@goodwe.com (Service)
- Rietbaan 2, 2908LP Capelle aan den IJssel, The Netherlands

## Italy

- +39 (0) 831 1623552 (Commerciale)  
+39 0362 160 0006 (Assistenza Tecnica)
- sales.it@goodwe.com (Commerciale)  
service.it@goodwe.com (Assistenza Tecnica)
- Via Cesare Braico 61, 72100 Brindisi, Italia

## Greece

- +30 211 1995643 (Service)
- sales.gr@goodwe.com (Sales)  
service.gr@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Spain

- +34 951 128 056 (Service)
- sales.es@goodwe.com (Sales)  
soporte.es@goodwe.com (Service)
- Paseo de la Habana, 9, Edificio Utopicus, 28036, Madrid, España

## Portugal

- +34 951 128 056 (Service)
- sales.pt@goodwe.com (Sales)  
servico.pt@goodwe.com (Service)
- Paseo de la Habana, 9, Edificio Utopicus, 28036, Madrid, España

## France

- +33 676 721 805 (Sales)  
+33 4 22 84 04 68 (Service)
- sales.fr@goodwe.com (Sales)  
service.fr@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Belgium

- +32 3 808 71 67 (Dutch/French-speaking service for installers)
- sales.nl@goodwe.com (Sales)  
service.nl@goodwe.com (Service)
- Rietbaan 2, 2908LP Capelle aan den IJssel, The Netherlands

## The United Arab Emirates

- +971 56 539 13 17 (Sales)  
+44 2045770609 (Service)
- sales.me@goodwe.com (Sales)  
service@goodwe.co.uk (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## South Africa

- +27 861 126 777 (Service)
- sales.africa@goodwe.com (Sales)  
service.za@goodwe.com (Service)

## Japan

- 070-9129-8951 (Sales)  
0267-66-7566 (service call center)
- yiliqj@goodwe.com (Sales)  
yoshihiro.nakazawa@goodwe.com (Service)
- 東京都中央区日本橋小舟町8-6 H<sup>3</sup>O日本橋小舟町 6F

## Korea

- 02 3497 1066
- larry.kim@goodwe.com (Sales)  
Service.KR@goodwe.com (Service)
- 8F Invest Korea Plaza, 7 Heoleung-ro Seocho-gu Korea (06792)

## Vietnam

- +84 28 7300 4918
- sales@goodwe.com (Sales)  
service@goodwe.com (Service)
- M floor, 70-72-74, 37 street, An Phu Ward, Thu Duc, HCMC, Vietnam

## Thailand

- Sales@goodwe.com (Sales)  
service@goodwe.com (Service)

## Brazil

- +5581991239286 (Sales)  
+55 81 4042 1222 (Service)
- sergio@goodwe.com (Sales)  
servico.br@goodwe.com (Service)
- Rua Abelardo 45, Recife/PE, 52050-310

## Argentina

- sales@goodwe.com (Sales)  
soporte.litam@goodwe.com (Service)

## Indonesia

- Sales@goodwe.com (Sales)  
Service@goodwe.com (Service)

## Malaysia

- Sales@goodwe.com (Sales)  
Service@goodwe.com (Service)

## Pakistan

- +923000457492 (Sales)  
+92 3335557527 (Services)
- Fahad.Ali@goodwe.com (Sales)  
rafay.ahmad@goodwe.com (Service)

## Austria

- +49 89 7807289-0 (Sales)  
+49 32 221092721 (Service)
- sales.de@goodwe.com (Sales)  
service.de@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Switzerland

- +49 89 7807289-0 (Sales)  
+49 32 221092721 (Service)
- sales.de@goodwe.com (Sales)  
service.de@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Czech Republic

- +49 89 7807289-0 (Sales)  
+420 232232237 (Service)  
BayWa r.e. customers: +420 555 444 237
- sales.de@goodwe.com (Sales)  
service.cz@goodwe.com (Service)  
BayWa r.e. customers: podpora@baywa-re.cz
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Slovakia

- +49 89 7807289-0 (Sales)  
+421 232606233 (Service)  
BayWa r.e. customers: +420 555 444 237
- sales.de@goodwe.com (Sales)  
service.cz@goodwe.com (Service)  
BayWa r.e. customers: podpora@baywa-re.cz
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Ireland

- +442045770609 (Service)
- sales.uk@goodwe.com (Sales)  
service@goodwe.co.uk (Service)
- First Floor, Sutherland House, 5-6 Argyll Street, London, England, W1F 7TE UK

## EU/EMEA

- +49 89 7807289-0 (Sales) +49 32 221092721 (Service)
- sales.de@goodwe.com (Sales)  
service.de@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany

## Sweden

- +46 101388243 (Service)
- service.se@goodwe.com (Service)
- Kistlerhofstrasse 170, 81379 Muenchen, Germany