GOODWE

WHERE THE SUN SHINES, THERE IS GOODWE!

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GOODWE

Photovoltaic Inverter 1.5-500kW Series

Designed in Germany Assembled in China

This is a heart of the times

GoodWe Power Supply Technology Co., Ltd. is a high-tech enterprise, taking the inspirational target of “Improve the global environment, Improve the quality of people’s life” as the company’s vision. We endeavor to be the leading photovoltaic inverter supplier in the world.

We have a professional, experienced and talented R&D team with continuous investments, it is believed that technological innovation is the core competitiveness to keep our leadership in this field. Meanwhile, we have been dedicating ourselves to improve the customer service and maximize customers’ investment value.

We wish to be your ideal partner and welcome to join us.

The Best or Nothing

Contents

GOODWE COMPANY PROFILE

GoodWe Power Supply Technology Co., Ltd., headquartered in Suzhou, is a rapidly developing new energy enterprise with initial investment of 20 million USD. Founded in 2010, the company has been focusing on photovoltaic inverters research, manufacturing and sales.

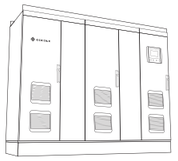
There are more than 100 professional engineers in our R&D team over 10 year industry experience. We have already developed and produced SS (Single-MPPT, Single-Phase), DS (Dual-MPPT, Single-Phase), DT (Dual-MPPT, Three-Phase) and MT (Central) solar inverter series, covering power range from 1.5 to 500kW.

GoodWe inverters have already obtained most of international certificates, such as VDE, TUV, CGC, CE, SAA, G83, G59, ENEL Guide... and also passed ISO9001:2008 Quality Certification System.

Product Overview

Power Level

1MW
500kW



GW500K-MTL

100kW
20kW

GW17K-DT
GW15K-DT
GW12K-DT
GW10K-DT
GW08K-DT
GW06K-DT

6kW
5kW

GW4600-SS
GW4000-SS
GW3000-SS
GW2000-SS
GW1500-SS

GW3600S-UK
GW3600S-DK

GW3600D-UK
GW3600D-DK

GW4600-DS
GW4200-DS
GW3600-DS

◀ Transformerless

GW250K-MT

GW100K-MT

▲ Three-phase Series

Single-phase Series ▼

GW4200-DDI
GW3600-DDI
GW3000-DDI

▶ Transformer Equipped

1kW

Product Type

Wired Monitoring Device
EzLogger

Monitoring Software
EzExplorer

Wireless Monitoring Device
EzMoniter

Wireless Monitoring Device
EzBee

Design Software
EzDesigner

Monitoring System

Certificates

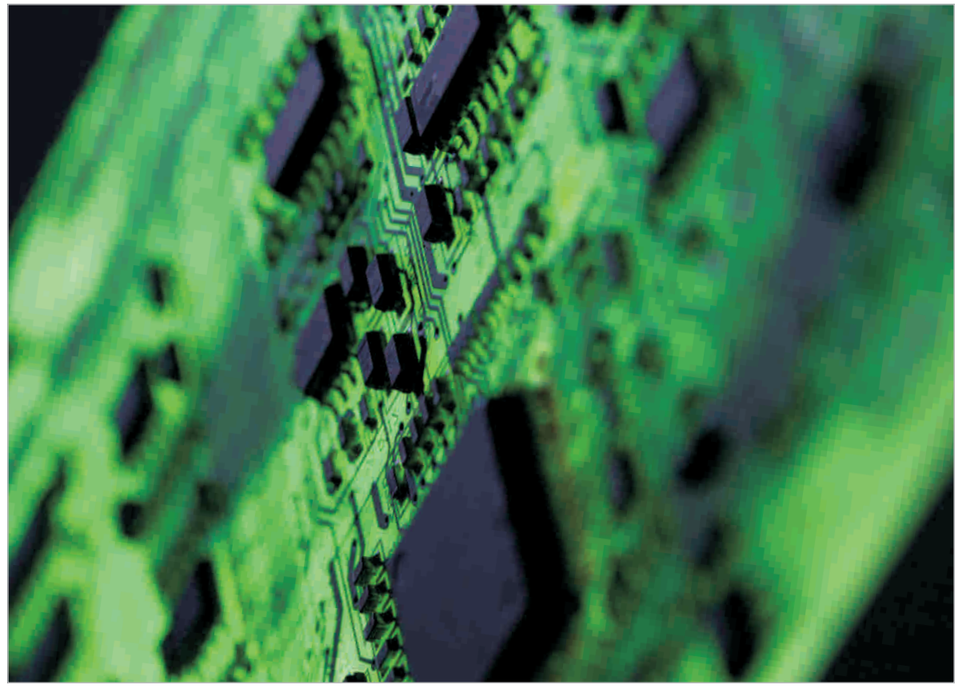
	VDE 0126-1-1/A1	VDE ARN4105	IEC EN62109-1	SAA	ENEL	G83/1	G59/2	CGC	RD 1699	CSA	CEC List	Western Power	Remarks
SS Series:													
GW1500-SS	■	■	■	■		■			■		■	■	
GW2000-SS	■	■	■	■		■			■		■	■	
GW3000-SS	■	■	■	■		■			■		■	■	
GW4000-SS	■	■	■	■			■		■		■	■	
GW4600-SS	■	■	■	■			■		■		■	■	
GW3600S-UK			■			■							
GW3600S-DK		■	■										
DS Series:													
GW3600-DS	■	■	■	■	■		■		■		■	■	
GW4200-DS	■	■	■	■	■		■		■		■	■	
GW4600-DS	■	■	■	■	■		■		■		■	■	
GW3600D-UK			■			■							
GW3600D-DK		■	■										
DT Series:													
GW06K-DT	■	■	■	■	■	■			■				
GW08K-DT	■	■	■	■	■	■			■				
GW10K-DT	■	■	■	■	■		■	■	■		■	■	
GW12K-DT	■	■	■	■	■		■	■	■		■	■	
GW15K-DT	■	■	■	■	■		■	■	■		■	■	
GW17K-DT	■	■	■	■	■		■	■	■		■	■	
MT Series:													
GW100K-MT	■		■					■					
GW250K-MT	■		■					■					
GW500K-MTL	■		■					■					
DDI Serise:													
GW3000-DDI										■			
GW3600-DDI										■			
GW4200-DDI										■			

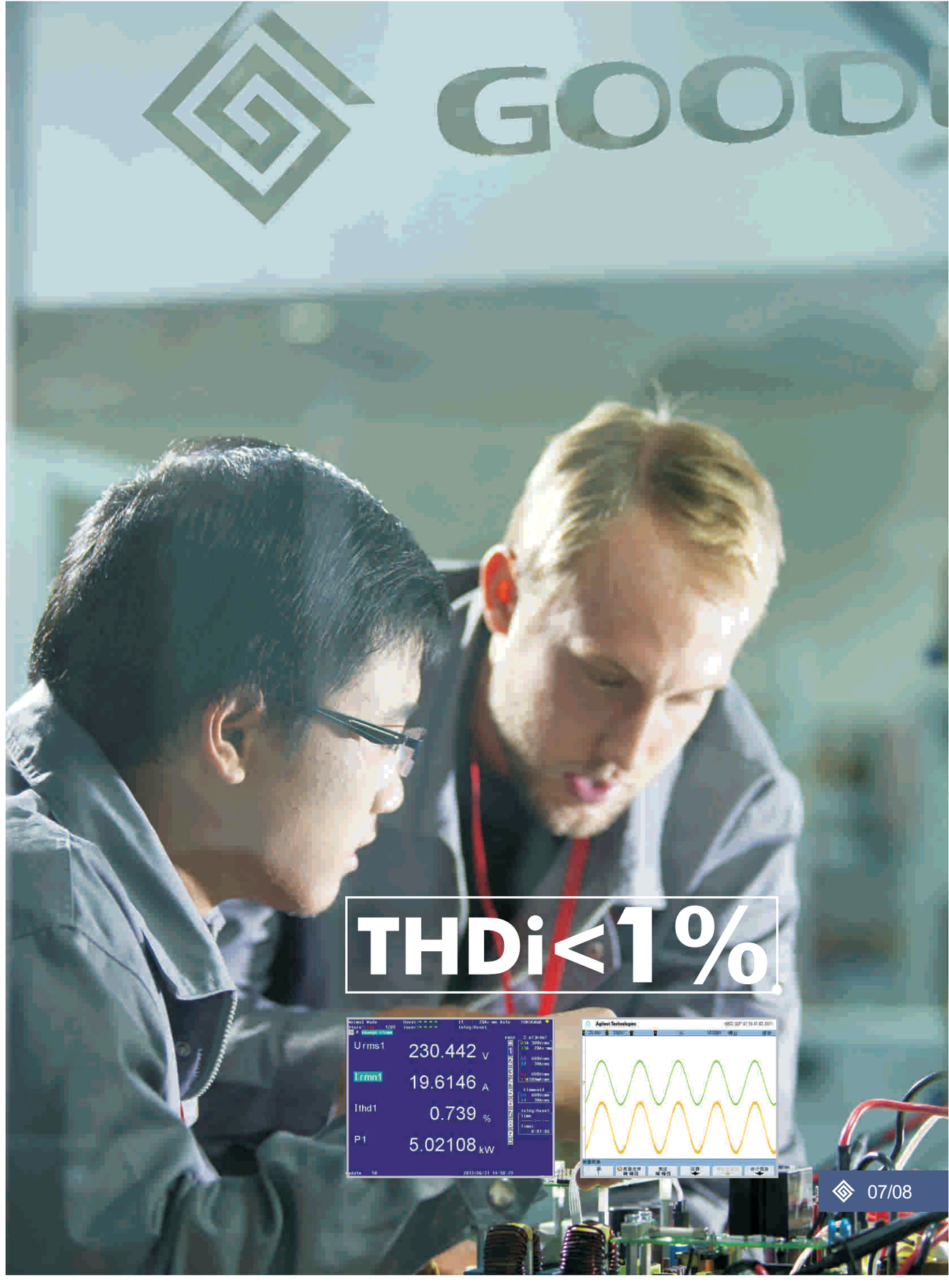
CERTIFICATES

ENEL Guide RD1699 ISO 9001:2008

Patent

Category	Patent No.
Utility Model	
A component used to fix the transistor	201120407107.x
A LCD display composed of segment code, dot matrix and silk screen	201120197351.8
A kind of inductance terminal fixation seat	201120542540.4
Multi-level photovoltaic grid-connected inverter with isolation transformer	201220215710.2
A soft-switch synchronous rectification BUCK converter for low power	201220215708.5
A surge absorbing protection circuit with accurate preset protection value	201220260345.7
An anti-theft structure of photovoltaic inverter	201220274477.5
Appearance Design	
Single-phase photovoltaic inverter	201130278394.4
Display of photovoltaic inverter	201230049267.1
Patent for Invention	
A LCD display composed of segment code, dot matrix and silk screen	201110157537.5
A kind of inductance terminal fixation seat	201110434367.x
A component used to fix the transistor	201110324929.6
Multi-level photovoltaic grid-connected inverter with isolation transformer	201210148532.0
A soft-switch synchronous rectification BUCK converter for low power	201210148535.4
A surge absorbing protection circuit with accurate preset protection value	201210181347.1
An anti-theft structure of photovoltaic inverter	201210191637.4





Core Features

Highly insist on product quality

- Each component comes from industry-leading suppliers
- Each product passes ATS test strictly
- Each product has a report with 10 key performance indexes

Smart design and precise workmanship

- 30% lighter compared with similar products
- 3 different colors for option (red, blue, silver)

World-class product performance

- 1-5kW products conversion efficiency up to 97.8%
- 10-17kW products conversion efficiency up to 98.2%
- All products' MPPT efficiency over 99.5%
- Products' THDi less than 1% (SS/MT)

High safety and reliability

- Up to 13 safety measurements
- IP65 anti-dust and water-proof applied
- DC switch disconnector
- World-wide certificates (VDE, TUV, CE, SAA, G83, G59, ENEL, CGC…)

SS Series

GW1500-SS (Single-MPPT, Single-Phase)

GW1500-SS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model is applicable for the photovoltaic system with open-circuit voltage less than 450V, maximum output power less than 1800W. Its maximum conversion efficiency can reach 97%. First-class harmonic control ability, small size and light weight make it hold a safe lead among similar products.

Excellent Performance

- Maximum Efficiency up to 97.0%
- European Efficiency up to 96.0%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design

- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW1500-SS

DC Input Data	
Max. PV-generator power [W]	1800
Max. DC voltage [V]	450
MPPT voltage range [V]	125~450
Turn on DC voltage [V]	125
Max. DC work current [A]	12
Number of inputs/MPP trackers	1/1
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	1500
Max. AC power [W]	1650
Max. AC current [A]	8
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
THDi	<1%
Power factor	~1 (Nominal power)
AC connector	Single phase
Efficiency	
Max. efficiency	97.0%
European efficiency	96.0%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G83/1, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	330*350*125
Net weight [kg]	12
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW2000-SS (Single-MPPT, Single-Phase)

GW2000-SS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model uses state-of-the-art control technology, which has an extremely powerful input voltage and input current capability. The THDi can be controlled within 1%, when the maximum output power of PV system ranges from1800W to 2300W. It holds a safe lead among similar products.

Excellent Performance

- Maximum Efficiency up to 97.0%
- European Efficiency up to 96.0%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design

- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW2000-SS

DC Input Data	
Max. PV-generator power [W]	2300
Max. DC voltage [V]	500
MPPT voltage range [V]	125~450
Turn on DC voltage [V]	125
Max. DC work current [A]	15
Number of inputs/MPP trackers	2/1
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	2000
Max. AC power [W]	2000
Max. AC current [A]	10
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
THDi	<1%
Power factor	~1 (Nominal power)
AC connector	Single phase
Efficiency	
Max. efficiency	97.0%
European efficiency	96.0%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G83/1, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	330*350*125
Net weight [kg]	12
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW3000-SS (Single-MPPT, Single-Phase)

GW3000-SS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model uses isolation-free design with advanced communication method and extremely high conversion efficiency. The maximum output power is 3000W. To ensure its stability and long service life, our inverter is manufactured with optimum quality components. It holds a safe lead among similar products.

Excellent Performance

- Maximum Efficiency up to 97.0%
- European Efficiency up to 96.0%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design

- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW3000-SS

DC Input Data	
Max. PV-generator power [W]	3200
Max. DC voltage [V]	500
MPPT voltage range [V]	125~450
Turn on DC voltage [V]	125
Max. DC work current [A]	18
Number of inputs/MPP trackers	2/1
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	3000
Max. AC power [W]	3000
Max. AC current [A]	15
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
THDi	<1%
Power factor	~1 (Nominal power)
AC connector	Single phase
Efficiency	
Max. efficiency	97.0%
European efficiency	96.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G83/1, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	330*350*125
Net weight [kg]	13
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW4000-SS (Single-MPPT, Single-Phase)

GW4000-SS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. According to the test results of world-authorized laboratory, the medium irradiation efficiency is 96.9% and high irradiation efficiency is 97.1%. It has obtained Double A Certificates. It holds a safe lead among the same level of products in the world.

Excellent Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design

- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW4000-SS

DC Input Data	
Max. PV-generator power [W]	4600
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	20
Number of inputs/MPP trackers	3/1
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	4000
Max. AC power [W]	4400
Max. AC current [A]	22
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1%
Power factor	~1 (Nominal power)
AC connector	Single phase
Efficiency	
Max. efficiency	97.8%
European efficiency	97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	390*417*142
Net weight [kg]	18
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW4600-SS (Single-MPPT, Single-Phase)

GW4600-SS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. The maximum output power of this model can reach 5100W. It is not only the largest one among GoodWe single-phase inverters, but also the model with the maximum power using single-tube design. Besides, it maintains extremely higher conversion efficiency, uses natural heat dissipation and has an extremely wide range of input voltage and input current. It holds a safe lead among the same level of products.

Excellent Performance
- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability
- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design
- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW4600-SS

DC Input Data	
Max. PV-generator power [W]	5400
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	20
Number of inputs/MPP trackers	3/1
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	4600
Max. AC power [W]	5100
Max. AC current [A]	25
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1%
Power factor	~1 (Nominal power)
AC connector	Single phase
Efficiency	
Max. efficiency	97.8%
European efficiency	97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	390*417*142
Net weight [kg]	18
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW3600S-UK (Single-MPPT, Single-Phase)

GW3600S-UK photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model is specially designed for the UK market. With the state-of-the-art control technology, it has extremely high conversion efficiency, ultra-low THDi and wide range of input voltage and current. It is designed in strict accordance with the provisions of G83 security regulations. The DCI is less than 20mA and maximum output current is 16A. It is with smaller size, lighter weight and wider range of suitability to various photovoltaic modules.

Excellent Performance
- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability
- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design
- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW3600S-UK

DC Input Data	
Max. PV-generator power [W]	4200
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	20
Number of inputs/MPP trackers	3/1
DC connector	MC IV Connector
Standby power consumption [W]	<5
AC Output Data	
Nominal AC power [W]	3600
Max. AC power [W]	4000
Max. AC current [A]	16
Nominal output voltage range	G83/1; VDE0126-1-1/A1
AC grid frequency	G83/1; VDE0126-1-1/A1
THDi	< 1%
Power factor	~1
AC connector	Single phase With Clamps
Efficiency	
Max. efficiency	97.6%
European efficiency	>97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	G83/1; VDE0126-1-1/A1
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC62109-1
General Data	
Dimensions (W*H*D) [mm]	390*417*142
Net weight [kg]	18
Housing	For outdoor and indoor
Mounting information	Wall bracket
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW3600S-DK (Single-MPPT, Single-Phase)

GW3600S-DK photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model is specifically designed for the Danish market. it has strong anti-jamming performance to the grid and is suitable for long-distance power transmission. It is with smaller size, lighter weight and wider range of suitability to various photovoltaic modules.

Excellent Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 anti-dust and water-proof
- 45°C full-load output
- Wide range of MPPT volatge

Customer-oriented Design

- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW3600S-DK

DC Input Data	
Max. PV-generator power [W]	4200
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	20
Number of inputs/MPP trackers	3/1
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	3600
Max. AC power [W]	4000
Max. AC current [A]	16
Nominal output voltage range	According to G83/1;VDE 0126-1-1/A1(For DK)
AC grid frequency	According to G83/1, VDE-AR-N 4105
THDi	<1%
Power factor	~1
AC connector	Single phase
Efficiency	
Max. efficiency	97.8%
European efficiency	>97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE 0126-1-1/VDE-AR-N 4105
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC62109-1
General Data	
Dimensions (W*H*D) [mm]	390*417*142
Net weight [kg]	18
Housing	For outdoor and indoor
Mounting information	Wall bracket
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

DS Series

GW3600-DS (Dual-MPPT, Single-Phase)

GW3600-DS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model uses digital control technology to achieve Dual-lines MPP tracking. The maximum conversion efficiency is up to 97.6%, THDi is less than 1.5% and the maximum output power is 3600W. It is suitable for the photovoltaic system which open-circuit voltage is less than 580V.

High Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of input volatge

Easy Operation

- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW3600-DS

DC Input Data	
Max. PV-generator power [W]	3800
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	2*10
Number of inputs/MPP trackers	4/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	3600
Max. AC power [W]	3600
Max. AC current [A]	18
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	Single phase
Efficiency	
Max. efficiency	97.6%
European efficiency	97.0%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	390*417*165
Net weight [kg]	20
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW4200-DS (Dual-MPPT, Single-Phase)

GW4200-DS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model uses advanced digital control technology and communication method as well as super MPP tracking and security technology. It has a wide range of input and output voltage. To ensure its stability and long service life, our inverter is manufactured with optimum quality components. It holds a safe lead among the same level of products.

High Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of input volatge

Easy Operation

- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW4200-DS

DC Input Data	
Max. PV-generator power [W]	4600
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	2*15
Number of inputs/MPP trackers	4/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	4200
Max. AC power [W]	4400
Max. AC current [A]	21
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	Single phase
Efficiency	
Max. efficiency	97.8%
European efficiency	97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100, CNCA/CTS0004-2009A
General Data	
Dimensions (W*H*D) [mm]	390*417*165
Net weight [kg]	20
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW4600-DS (Dual-MPPT, Single-Phase)

GW4600-DS photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model uses natural heat dissipation design. The maximum conversion efficiency can reach 97.8%. It can achieve full-load output under 45°C ambient temperature with excellent conversion efficiency and lower loss. The power density of this model is greater than other products at the same level. The maximum output power can reach 5100W. In addition, it can meet IP65 anti-dust and waterproof grade to ensure long life and stability of products.

High Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of input volatge

Easy Operation

- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW4600-DS

DC Input Data	
Max. PV-generator power [W]	5400
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	2*15
Number of inputs/MPP trackers	4/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	4600
Max. AC power [W]	5100
Max. AC current [A]	25
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	Single phase
Efficiency	
Max. efficiency	97.8%
European efficiency	97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100, CNCA/CTS0004-2009A
General Data	
Dimensions (W*H*D) [mm]	390*417*165
Net weight [kg]	20
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW3600D-UK (Dual-MPPT, Single-Phase)

GW3600D-UK photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model is specially designed for the UK market. With the state-of-the-art control technology, it has extremely high conversion efficiency, ultra-low THDi and wide range of input voltage and current. It is designed in strict accordance with the provisions of G83 security regulations. The DCI is less than 20mA and maximum output current is 16A. It is with smaller size, lighter weight and wider range of suitability to various photovoltaic modules.

High Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of input volatge

Easy Operation

- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW3600D-UK

DC Input Data	
Max. PV-generator power [W]	4200
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	2*10
Number of inputs/MPP trackers	4/2 (can parallel)
DC connector	Phenix Connector / MC IV Connector
Standby power consumption [W]	<5
AC Output Data	
Nominal AC power [W]	3600
Max. AC power [W]	4000
Max. AC current [A]	16
Nominal output voltage range	G83/1; VDE0126-1-1/A1
AC grid frequency	G83/1; VDE0126-1-1/A1
THDi	<1.5%
Power factor	~1
AC connector	Single phase With Clamps
Efficiency	
Max. efficiency	97.6%
European efficiency	>97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	VDE0126-1-1/A1
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC62109-1
General Data	
Dimensions (W*H*D) [mm]	390*417*165
Net weight [kg]	20
Housing	For outdoor and indoor
Mounting information	Wall bracket
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

GW3600D-DK (Dual-MPPT, Single-Phase)

GW3600D-DK photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. There are three colors for option with fashionable appearance. This model is specifically designed for the Danish market. it has strong anti-jamming performance to the grid and is suitable for long-distance power transmission. It is with smaller size, lighter weight and wider range of suitability to various photovoltaic modules.

High Performance

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- Up to 10 safety measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of input volatge

Easy Operation

- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data GW3600D-DK

DC Input Data	
Max. PV-generator power [W]	4200
Max. DC voltage [V]	580
MPPT voltage range [V]	125~550
Turn on DC voltage [V]	125
Max. DC work current [A]	20
Number of inputs/MPP trackers	4/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	5
AC Output Data	
Nominal AC power [W]	3600
Max. AC power [W]	4000
Max. AC current [A]	16
Nominal output voltage range	According to VDE0126-1-1/A1; En50438, 207~264V
AC grid frequency	According to VDE0126-1-1/A1; EN50438, 47-50.5Hz
THDi	<1.5%
Power factor	~1
AC connector	Single phase
Efficiency	
Max. efficiency	97.8%
European efficiency	>97.4%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE0126-1-1/A1; EN50438
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC62109-1
General Data	
Dimensions (W*H*D) [mm]	390*417*165
Net weight [kg]	20
Housing	For outdoor and indoor
Mounting information	Wall bracket
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)



color options

DT Series

GW06K-DT (Dual-MPPT, Three-Phase)

GW06K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. This model uses full-digital control technology and advanced topologies. It has lower loss compared to similar products, which is easier to achieve the maximization of the overall efficiency of photovoltaic systems. Designed without transformer, it is light and smart with wide voltage MPPT input. It can be flexibly configured with solar modules and meet design requirements of large-megawatt power stations.

High Performance

- Maximum Efficiency up to 98.0%
- European Efficiency up to 97.5%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

Technical Data GW06K-DT

DC Input Data	
Max. PV-generator power [W]	6200
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	11/11
Number of inputs/MPP trackers	2/2(can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	6000
Max. AC power [W]	6000
Max. AC current [A]	10
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	98.0%
European efficiency	>97.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G83/1, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	32
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)

GW08K-DT (Dual-MPPT, Three-Phase)

GW08K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. It has lower loss, more compact and lighter weight, extremely low THDi compared to similar products so that the power grid is purer. Because of the reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage range of module, it can not only be used in commercial roof and commercial power station PV systems, but also is qualified for the design requirements of large-megawatt power station.

High Performance

- Maximum Efficiency up to 98.0%
- European Efficiency up to 97.5%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

Technical Data GW08K-DT

DC Input Data	
Max. PV-generator power [W]	8000
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	11/11
Number of inputs/MPP trackers	2/2(can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	8000
Max. AC power [W]	8000
Max. AC current [A]	13
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G83/1, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	98.0%
European efficiency	>97.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G83/1, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	32
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)

GW10K-DT (Dual-MPPT, Three-Phase)

GW10K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. It has lower loss, more compact and lighter weight, extremely low THDi compared to similar products so that the power grid is purer. Because of the reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage range of module, it can not only be used in commercial roof and commercial power station PV systems, but also is qualified for the design requirements of large-megawatt power station.

High Performance

- Maximum Efficiency up to 98.0%
- European Efficiency up to 97.5%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

Technical Data GW10K-DT

DC Input Data	
Max. PV-generator power [W]	10200
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	22/11
Number of inputs/MPP trackers	4/2
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	10000
Max. AC power [W]	10000
Max. AC current [A]	17
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	98.0%
European efficiency	>97.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	39
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)

GW12K-DT (Dual-MPPT, Three-Phase)

GW12K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. Rich communication interfaces make it more convenient for network and monitoring. The use of film capacitor achieves longer service life, more stable system and super-large LCD screen so that we have a commanding view to the run data of the machine.

High Performance

- Maximum Efficiency up to 98.0%
- European Efficiency up to 97.5%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

Technical Data GW12K-DT

DC Input Data	
Max. PV-generator power [W]	12300
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	22/11
Number of inputs/MPP trackers	4/2
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	12000
Max. AC power [W]	12000
Max. AC current [A]	19
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	98.0%
European efficiency	>97.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	39
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)

GW15K-DT (Dual-MPPT, Three-Phase)

GW15K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. Intelligent heat dissipation design ensures slower temperature rise and more stable running conditions. The dual-lines MPPT extra-wide voltage range ensures that the system is with more flexible configuration.

High Performance

- Maximum Efficiency up to 98.2%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

Technical Data GW15K-DT

DC Input Data	
Max. PV-generator power [W]	15400
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	22/22
Number of inputs/MPP trackers	6/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	15000
Max. AC power [W]	15000
Max. AC current [A]	25
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	98.2%
European efficiency	>97.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	39
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)

GW17K-DT (Dual-MPPT, Three-Phase)

GW17K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. The optimized inductor design ensures less noise and higher European efficiency. The reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage access range of components not only can be used in commercial roof and commercial power station systems, but also is qualified for the design requirements of large-megawatt power station.

High Performance

- Maximum Efficiency up to 98.2%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

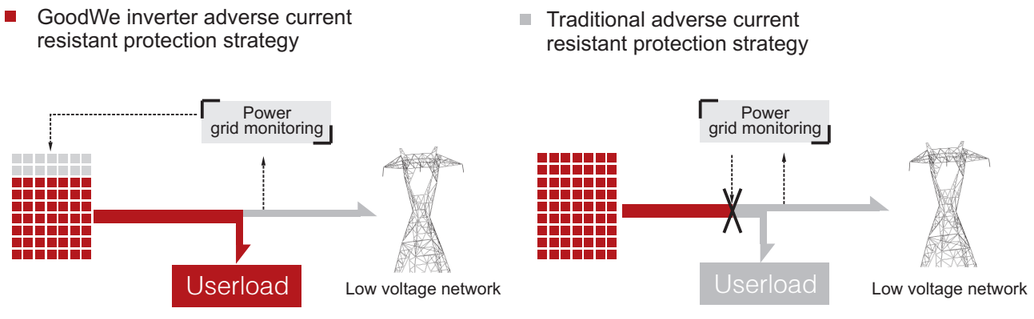
Technical Data GW17K-DT

DC Input Data	
Max. PV-generator power [W]	17500
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	22/22
Number of inputs/MPP trackers	6/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	17000
Max. AC power [W]	17000
Max. AC current [A]	25
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/.3
THDi	<1.5%
Power factor	0.90 leading…0.90 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	98.2%
European efficiency	>97.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
Leakage current monitoring unit	Integrated
DC switch	Optional
Islanding protection	AFD
Grid monitoring	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G59/2, AS4777.2/.3
Normative Reference	
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	39
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)

MT Series

Core Features

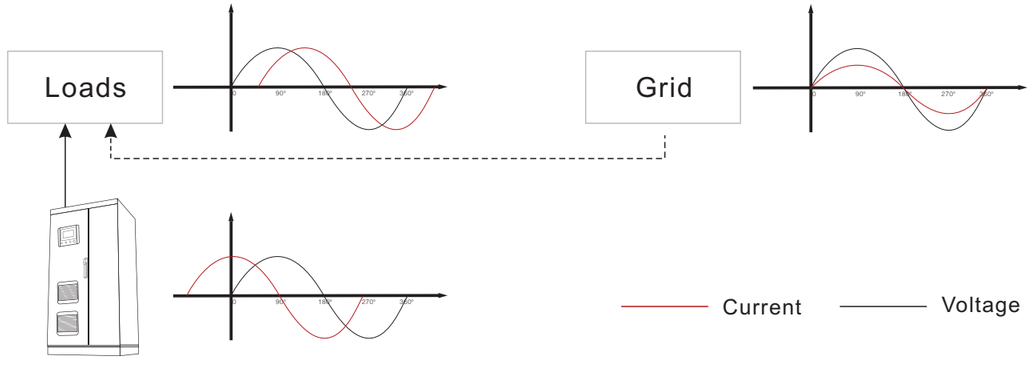
Intelligent adverse current resistant protection technology



When system detects excess energy feed back to low voltage network, the inverter will track and match load power from user net automatically by modifying linear power output to ensure no adverse current generates and use solar energy adequately.

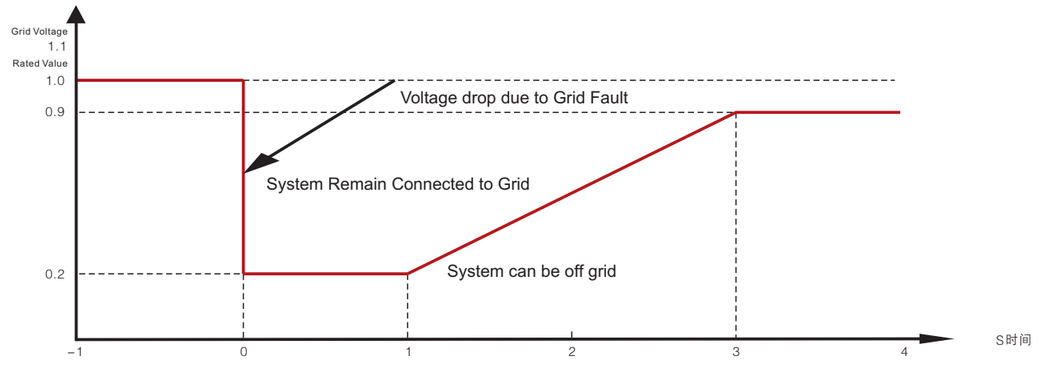
When system detects excess energy feed back to low voltage network, it will cut off the output of solar PV system which makes a great loss because of the loss of generated solar energy.

Static Var Generator (SVG) Technology



Reactive current from gird side is required when loads on site present inductive/capacitive character, resulting in reactive power loss. Reactive power is also required in solar generation system to ensure the stability of grid voltage. GoodWe inverter can export 25% of rated power as reactive power during electricity generation under rated power; it can also be fully turned into SVG mode if necessary.

Low-voltage ride through (LVRT) Technology



GoodWe inverter LVRT technology can keep the system remain connected to the grid during and after voltage drop due to grid fault or disturbance, which can effectively reduce the influence of sudden voltage drop on PV system generation.

GW100K-MT

GW100K–MT inverters have wide application in commercial and industrial rooftop projects and small/middle size commercial solar power plants. The inverter adopts mature transformer isolation technology which minimizes output DC component effectively; advanced LVRT technology can meet any requirement of power plant grid integration, the products can be installed and applied in all types of grid network. At the mean while, the harsh quality testing and production system of the company provide strongest safeguard for 'GoodWe quality', product stability and reliability.

Technical Data GW100K-MT

DC Input Data	
Max. PV-generator power [kW]	110
Max. DC voltage [V]	880
Max. DC current [A]	250
MPPT voltage range[V]	450~820
Max. Input numbers	3
Nighttime self-energy consumption [W]	<30
AC Output Data	
Nominal output power [kW]	100
Nominal output voltage (Line Voltage) [V]	400
Grid voltage range (Line Voltage) [V]	310~450
Rated output current [A]	150
Max. output current [A]	165
Nominal grid frequency [Hz]	50/60
Grid frequency range [Hz]	47.5~52.5/57~63
THDi	<1%
Efficiency	
Max. efficiency	97.1%
European efficiency	96.4%
MPPT adaptation efficiency	>99.5%
General Data	
Certificates	CGC, TUV
Dimensions (WxHxD) [mm]	1010*2005*800
Net Weight [kg]	970
Housing	Indoor
Operating temperature range	-25~55°C
Relative humidity	0~95%
IP protection class	IP20
Topology	Transformer electric isolation
Cooling	Forced air-cooling
Communication	RS485(Ethernet/GPRS Optional)
Display	7" LCD Touch Screen
Standard Warranty [years]	2 (can be extended to 25 years)

Special Function

- Advanced LVRT capability
- New solution of islanding protection

Superior Performance

- Transformer electric isolation design
- THDi less than 1% under rated power
- MPPT efficiency up to 99.5%

High Reliability and Stability

- Excellent industry design philosophy
- Components from industry-leading supplier
- Wonderful monitoring and control technology
- Rigorous test and quality control

GW250K-MT

GW250K–MT inverters have wide application in commercial and industrial rooftop projects and medium–to–large–scale commercial solar power plants. The inverter adopts transformer electric isolation design, DC output component control which can meet the customer requirement perfectly on gird side. Sophisticated inverter control technique and industrial grade design ensure 25 years service life of the product.

Technical Data GW250K-MT

DC Input Data	
Max. PV-generator power [kW]	275
Max. DC voltage [V]	880
Max. DC current [A]	600
MPPT voltage range[V]	450~820
Max. Input numbers	6
Nighttime self-energy consumption [W]	<100
AC Output Data	
Nominal output power [kW]	250
Nominal output voltage (Line Voltage) [V]	400
Grid voltage range (Line Voltage) [V]	310~450
Rated output current [A]	380
Max. output current [A]	418
Nominal grid frequency [Hz]	50/60
Grid frequency range [Hz]	47.5~52.5/57~63
THDi	<1%
Efficiency	
Max. efficiency	97.3%
European efficiency	96.5%
MPPT adaptation efficiency	>99.5%
General Data	
Certificates	CGC, TUV
Dimensions (WxHxD) [mm]	2110*2165*800
Net Weight [kg]	2100
Housing	Indoor
Operating temperature range	-25~55°C
Relative humidity	0~95%
IP protection class	IP20
Topology	Transformer electric isolation
Cooling	Forced air-cooling
Communication	RS485(Ethernet/GPRS Optional)
Display	7" LCD Touch Screen
Standard Warranty [years]	2 (can be extended to 25 years)

Special Function

- SVG Function
- New solution of islanding protection
- Advanced LVRT capability

Superior Performance

- Transformer electric isolation design
- Wide range of DC voltage input

High Reliability and Stability

- Rigorous test and quality control
- Comply with international standards

GW500K-MTL

GW500K-MTL solar inverter is widely used in large-scale solar power plants. As core equipment in solar power station, its stability and reliability play an important role in long-term investment returns. GW500K-MTL solar inverter adopts industrial design philosophy as well as proven inverter control technology. In terms of solar plants grid integration, GoodWe solar inverter is also equipped with output power liner control, SVG reactive power compensation technology, LVRT capability and other advanced technologies which are apt to grid integration and management. In addition, its lower THDi output and higher conversion efficiency provide stronger support to green and efficient power plants operation.

Technical Data GW500K-MTL

DC Input Data	
Max. PV-generator power [kW]	550
Max. DC voltage [V]	880
Max. DC current [A]	1200
MPPT voltage range[V]	450~820
Max. Input numbers	10
Nighttime self-energy consumption [W]	<100
AC Output Data	
Nominal output power [kW]	500
Nominal output voltage (Line Voltage) [V]	270
Grid voltage range (Line Voltage) [V]	310~450 (Equipped with 270/400 tranformer)
Rated output current [A]	1070
Max. output current [A]	1177
Nominal grid frequency [Hz]	50/60
Grid frequency range [Hz]	47.5~52.5/57~63
THDi	<1%
Efficiency	
Max. efficiency	98.8%
European efficiency	98.6%
MPPT adaptation efficiency	>99.5%
General Data	
Certificates	CGC, TUV
Dimensions (WxHxD) [mm]	2610*2165*800
Net Weight [kg]	2000
Housing	Indoor
Operating temperature range	-25~55°C
Relative humidity	0~95%
IP protection class	IP20
Topology	Transformerless
Cooling	Forced air-cooling
Communication	RS485(Ethernet/GPRS Optional)
Display	7" LCD Touch Screen
Standard Warranty [years]	2 (can be extended to 25 years)

Special Function

- Advanced LVRT capability
- SVG reactive power compensation
- Active power linear control

Superior Performance

- Maximum efficiency up to 98.8%
- THDi less than 1% under rated power
- Wide range of input voltage

High Reliability and Stability

- Excellent industrial design philosophy
- Superior components integrated
- Rigorous test and quality control

GW3000-DDI (High Frequency Isolation)

GW3000-DDI photovoltaic inverter newly promoted by GoodWe is the product with the latest technology. It is with 10 year warranty period, in line with the IEEE1547 new merge standard of North American market. This model uses high-frequency transformer isolation technology, can achieve PV negative ground and is suitable for a variety of solar modules. It is easy to install and operate, which is the best choice for domestic, small and medium-sized commercial systems. GoodWe photovoltaic inverter relies on constantly improved conversion efficiency and higher stability to provide protection for your entire solar system with superior performance and shorten payback periods.

High Efficiency

- Maximum Efficiency up to 96.0%
- CEC Efficiency over 95.5%
- MPPT Adaptation Efficiency over 99.5%

High Safety and Reliability

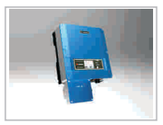
- DC switch disconnector
- Environmental Protection Rating: NEMA 3R
- 45°C full-load output THDi less than 1.5%

Easy Operation

- Large 4-inch LCD
- Intuitive and comprehensive information display
- Plug and play communication interface
- Fanless and patented integrated design

Technical Data GW3000-DDI

DC Input Data	
Max. PV-generator power [W]	3200
Max. DC voltage [V]	550
MPPT voltage range [V]	125~500
Turn on DC voltage [V]	125
Max. DC work current [A]	2*15
Number of inputs/MPP trackers	2 (can parallel)
Standby power consumption [W]	5
DC connector	terminal block
AC Output Data	
Norminal AC power(208Vac)	2800
Norminal AC power(240Vac)	3000
Max. output current [A]	15
Nominal AC voltage(adjustable)	208/240Vac
Nominal AC voltage range	183~228V@208Vac 211~264V@240Vac
AC grid frequency	60Hz/59.3-60.5Hz
THDi	<1.5%
Power factor	~1 (Nominal power)
Phase conductors/Connection phase	1/2
Efficiency	
Max. efficiency	96.0%
CEC efficiency	>95.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
PV Ground fault protection	Integrated
AC/DC switch	Integrated
Islanding protection	AFD
Grid monitoring	According to UL 1741, IEEE 1547, CSA C22.2 No. 107.1-1
Normative Reference	
EMC compliance	FCC part 15(Class A and B)
Safety compliance	According to UL 1741, IEEE 1547, CSA C22.2 No. 107.1-1
General Data	
Dimensions (WxHxD) [mm]	390*565*165
Net weight [kg]	<20
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
Environmental Protection Rating	NEMA 3R
Topology	HF Transformer
Cooling	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	10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GW3600-DDI (High Frequency Isolation)

GW3600-DDI photovoltaic inverter newly promoted by GoodWe is the product with the latest technology. It is with 10-year warranty period, in line with the IEEE1547 new merge standard of North American market. This model uses high-frequency transformer isolation technology, can achieve PV negative ground and is suitable for a variety of solar modules. It is easy to install and operate and the best choice for domestic, small and medium-sized commercial systems. GoodWe photovoltaic inverter relies on constantly improved conversion efficiency and higher stability to provide protection for your entire solar system with superior performance and shorten payback periods.

High Efficiency

- Maximum Efficiency up to 96.2%
- CEC Efficiency over 95.5%
- MPPT Adaptation Efficiency over 99.5%

High Safety and Reliability

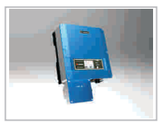
- DC switch disconnector
- Environmental Protection Rating: NEMA 3R
- 45°C full-load output THDi less than 1.5%

Easy Operation

- Large 4-inch LCD
- Intuitive and comprehensive information display
- Plug and play communication interface
- Fanless and patented integrated design

Technical Data GW3600-DDI

DC Input Data	
Max. PV-generator power [W]	3900
Max. DC voltage [V]	550
MPPT voltage range [V]	125~500
Turn on DC voltage [V]	125
Max. DC work current [A]	2*15
Number of inputs/MPP trackers	2 (can parallel)
Standby power consumption [W]	5
DC connector	terminal block
AC Output Data	
Norminal AC power(208Vac)	3500
Norminal AC power(240Vac)	3600
Max. output current [A]	18
Nominal AC voltage(adjustable)	208/240Vac
Nominal AC voltage range	183~228V@208Vac 211~264V@240Vac
AC grid frequency	60Hz/59.3-60.5Hz
THDi	<1.5%
Power factor	~1 (Nominal power)
Phase conductors/Connection phase	1/2
Efficiency	
Max. efficiency	96.2%
CEC efficiency	>95.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
PV Ground fault protection	Integrated
AC/DC switch	Integrated
Islanding protection	AFD
Grid monitoring	According to UL 1741, IEEE 1547, CSA C22.2 No. 107.1-1
Normative Reference	
EMC compliance	FCC part 15(Class A and B)
Safety compliance	According to UL 1741, IEEE 1547, CSA C22.2 No. 107.1-1
General Data	
Dimensions (WxHxD) [mm]	390*565*165
Net weight [kg]	<20
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
Environmental Protection Rating	NEMA 3R
Topology	HF Transformer
Cooling	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	10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GW4200-DDI (High Frequency Isolation)

GW4200-DDI photovoltaic inverter newly promoted by GoodWe is the product with the latest technology. It is with 10-year warranty period, in line with the IEEE1547 new merge standard of North American market. This model uses high-frequency transformer isolation technology, can achieve PV negative ground and is suitable for a variety of solar modules. It is easy to install and operate and the best choice for domestic, small and medium-sized commercial systems. GoodWe photovoltaic inverter relies on constantly improved conversion efficiency and higher stability to provide protection for your entire solar system with superior performance and shorten payback periods.

High Efficiency

- Maximum Efficiency up to 96.5%
- CEC Efficiency over 95.5%
- MPPT Adaptation Efficiency over 99.5%

High Safety and Reliability

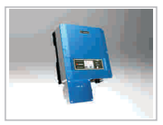
- DC switch disconnector
- Environmental Protection Rating: NEMA 3R
- 45°C full-load output THDi less than 1.5%

Easy Operation

- Large 4-inch LCD
- Intuitive and comprehensive information display
- Plug and play communication interface
- Fanless and patented integrated design

Technical Data GW4200-DDI

DC Input Data	
Max. PV-generator power [W]	4500
Max. DC voltage [V]	550
MPPT voltage range [V]	125~500
Turn on DC voltage [V]	125
Max. DC work current [A]	2*15
Number of inputs/MPP trackers	2 (can parallel)
Standby power consumption [W]	5
DC connector	terminal block
AC Output Data	
Norminal AC power(208Vac)	4000
Norminal AC power(240Vac)	4200
Max. output current [A]	22
Nominal AC voltage(adjustable)	208/240Vac
Nominal AC voltage range	183~228V@208Vac 211~264V@240Vac
AC grid frequency	60Hz/59.3-60.5Hz
THDi	<1.5%
Power factor	~1 (Nominal power)
Phase conductors/Connection phase	1/2
Efficiency	
Max. efficiency	96.5%
CEC efficiency	>95.5%
MPPT adaptation efficiency	>99.5%
Safety Equipment	
PV Ground fault protection	Integrated
AC/DC switch	Integrated
Islanding protection	AFD
Grid monitoring	According to UL 1741, IEEE 1547, CSA C22.2 No. 107.1-1
Normative Reference	
EMC compliance	FCC part 15(Class A and B)
Safety compliance	According to UL 1741, IEEE 1547, CSA C22.2 No. 107.1-1
General Data	
Dimensions (WxHxD) [mm]	390*565*165
Net weight [kg]	<20
Housing	For outdoor and indoor
Mounting information	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)
Relative humidity	0~95%
Site altitude [m]	2000
Environmental Protection Rating	NEMA 3R
Topology	HF Transformer
Cooling	Natural convection
Noise level [dB]	<25
Display	4" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	10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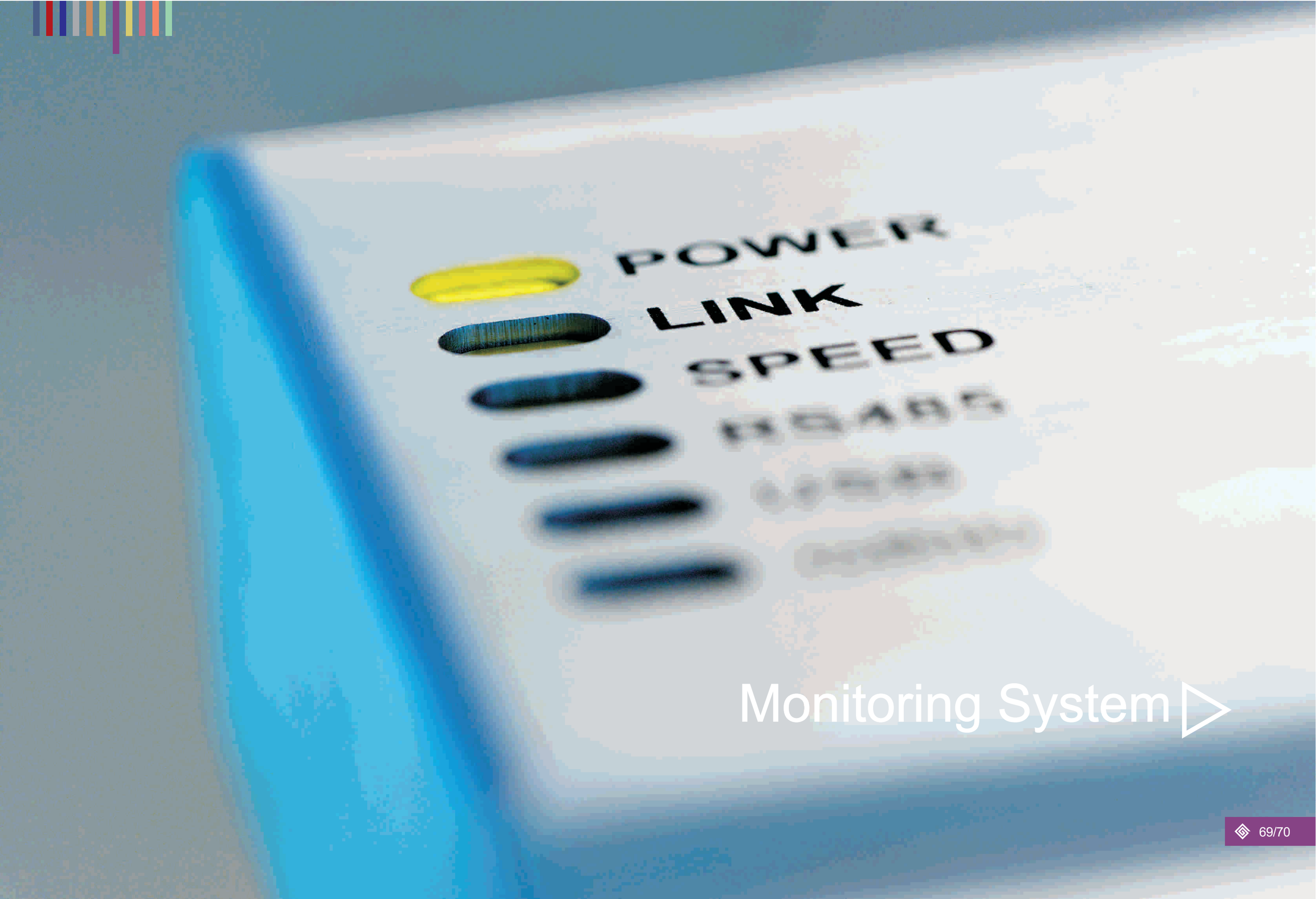


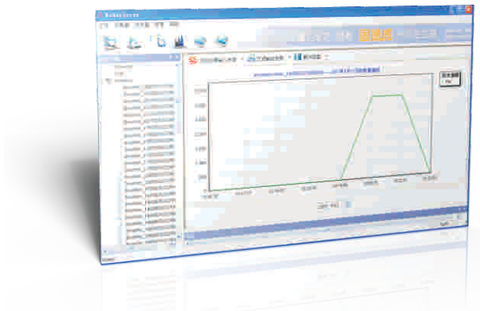
Monitoring System ▷

EzExplorer-Monitoring Software

EzExplorer is the photovoltaic monitoring software developed by GoodWe Working with EzLogger and EzBee, it can record and analyze all parameters of one and many inverters and the whole system. It becomes the ideal choice for monitoring power plant by its user-friendly interface, rich data display, statistic analysis and archiving function, error message recording, user's operation tracking and language switch.

Features

- System operating parameter
- Error recording
- Historical records function
- Inverter parameters setup function
- Connect with EzLogger via Ethernet
- Connect with inverter via USB
- Electricity accumulated functions with unit of year, month and day



Technical Data

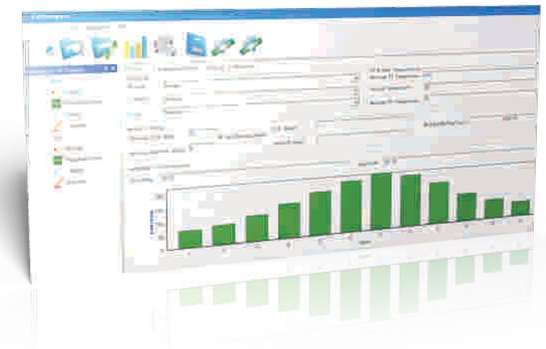
Language	Chinese, English
System software requirement	Windows XP, Windows Vista, Windows 7
Minimum hardware requirement	Processor P III 800MHz, RAM 512MB, HDD Space 500MB
Optimum resolution	1024*768
Monitoring information	inverter list, annual yield, monthly yield and daily yield, invetrer AC voltage, AC current, DC voltage, DC current, device temperature, total generation, error message, AC frequency, AC power, same day power curve & same month generation histogram
Historical data report	Historical data report &error message review and export
Maximum number of EzLogger connected	16
Connect with EzLogger via Ethernet	1
Connect with inverter via USB	50

EzDesigner-Power Plant Design Software

EzDesigner is a power plant design software developed by GoodWe. Users can design power plants, match and choose the suitable inverter by using this software. EzDesigner can support all GoodWe inverters and well known solar modules.

Features

- Database contains well known solar modules, radiation information from different cities
- Prompt function after selected solar modules
- Project filed by binary method
- Project filed by PDF version
- Project print function



Technical Data

Language	Chinese, English
Applications systems requirements	Windows XP, Windows Vista, Windows 7
Minimum hardware requirements	CPU P III 800MHZ, RAM 512MB, Disk Space 500MB
Optimum resolution	1024×768

EzLogger-Wired Monitoring Device

EzLogger is a monitoring product developed independently by GoodWe and be operated via connecting with our inverters. It can conveniently be used to record the generating capacity of photovoltaic power station, running status, error history and etc. EzLogger is widely used in area of solar power equipment management, such as power plants, office buildings, shopping malls, hotel, biotope and etc. EzLogger is characterized by simple structure, high reliability, strong function and convenient maintenance. Not only could be connected with one inverter through RS485 bus, but also via TCP/IP and PC connection, one EzLogger device could be connected with as many as 50 table photovoltaic inverter or maximum of 5 units of PC, this network monitoring is quite applicable to small and medium power generation sites.

Features

- Special monitoring motherboard
- Data time updating
- Numerous inverters could be monitored via multi-users at the same time
- High reliability, low power consumption
- 10/100M Ethernet card controller
- Inner 128MB NandFlash Storage Device, External could be optionally extended to 2G SD Card
- Rich external interface
- One RS485 Communication port
- 10/100(BASE-T one cable port
- One Mini-USB-B port
- One Micro-SD Card port
- One paiallelled I/O port

Technical Data

Communication	
Inverter communication	RS485
PC communication	10/100 Mbit Ethernet
Modem	GSM (optional)
Data interface	RJ45 (RS485+Ethernet), RS232, USB2.0
Maximum Number Supported	
RS485/Ethernet/Wireless(EzBee)	50 units
Maximum Communication Distance	
RS485 [m]	1200
Ethernet [m]	100
Wireless(EzBee)[m]	1600
Power Supply	
Power supply	External adapter
Input voltage [V]	100-265V AC; 50/60Hz
Power consumption [W]	<5
Environmental Conditions in Operation	
Ambient temperature	–20~60°C
Relative humidity(non-condensing)	5%~95 %
Memory	
Internal	128MB in a ring buffer configuration
External	Mini SD card 512MB (1G /2G optional)
General Data	
Dimensions (WxHxD) [mm]	150x100x43.5
Weight [kg]	0.5
Mounting location	Indoor
Installation options	Wall mounting
Status display	LED indicator
Warranty [years]	5
Certificates and approvals	CE

EzBee-Wireless Monitoring Device

EzBee is a key component used to realize the wireless monitoring of the solar power system, it was independently developed by GoodWe. It is convenient to record PV power station's output electricity, running condition and error message when it is connected to GoodWe inverters. EzBee is widely used to for the management of solar power system including power plants, office buildings, shopping malls, hotels, living district and etc. EzBee is famous for high reliability, powerful functions and convenient maintenance.

Features

- Specialized monitoring mainboard;
- Real-time data updating;
- Simultaneously monitor more inverters
- High reliability and low power consumption;
- USB connector, convenient in use;

Technical Data

Input Voltage	5 VDC
Input Current	500 mA
Average power consumption	<0.5 W
Ambient Temperature	-20~60°C
Relative Humidity	0% - 98%

EzMonitor-Handheld Wireless Monitoring Device

EzMonitor, a handheld wireless monitoring device, monitors inverters via ZigBee protocol communication. It could monitor up to 10 inverters at one time.

Features

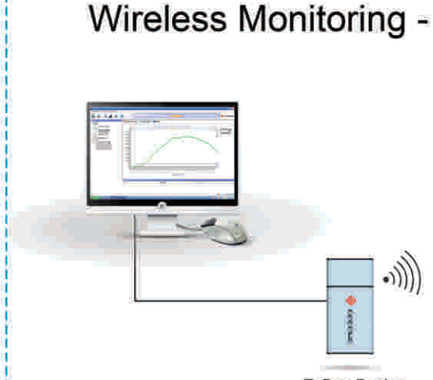
- Specialized monitoring mainboard;
- High definition LCD display;
- Simultaneously monitor more inverters;
- High reliability and low power consumption;

Technical Data

Input Voltage	5 VDC
Input Current	1000 mA
Average power consumption	<2 W
Ambient Temperature	-20~60°C
Relative Humidity	0% - 98%

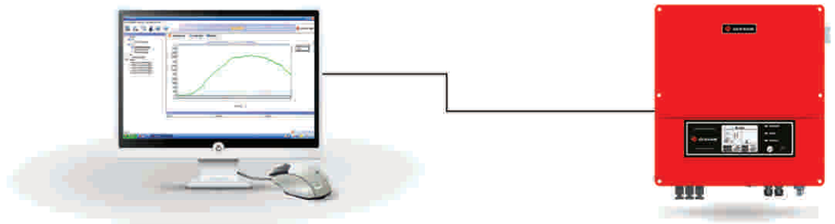
Monitoring Diagram

Wireless Monitoring - EzBee

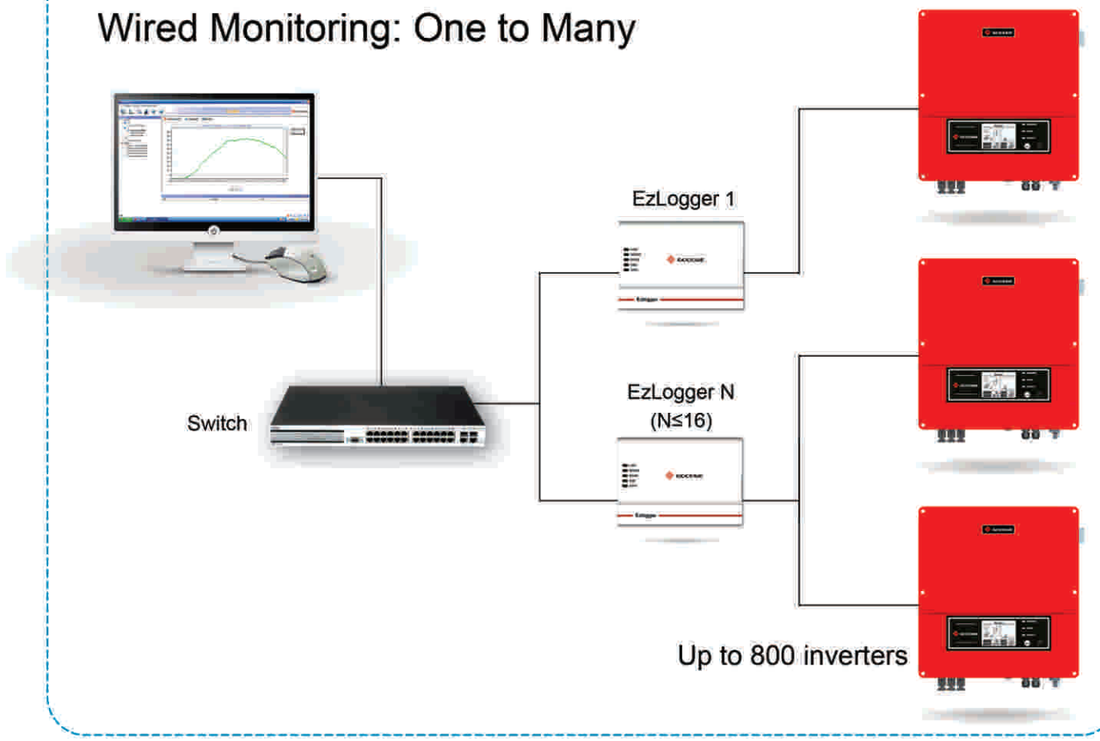


Wireless Monitoring - EzMonitor

Wired Monitoring: One to One



Wired Monitoring: One to Many



Customer Service

Good service is integrated into our enterprise culture, accepted and implemented conscientiously by our staff.

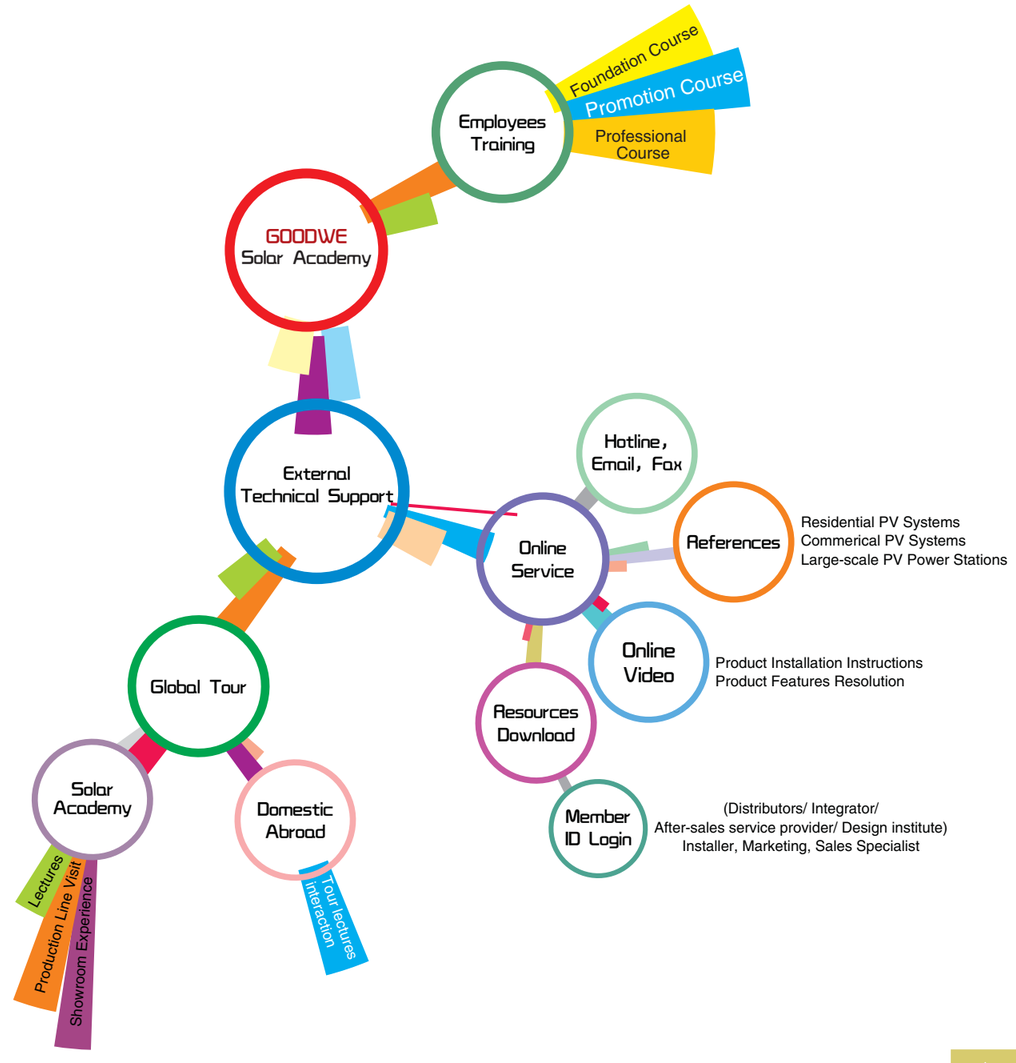
Five-star service system of GoodWe

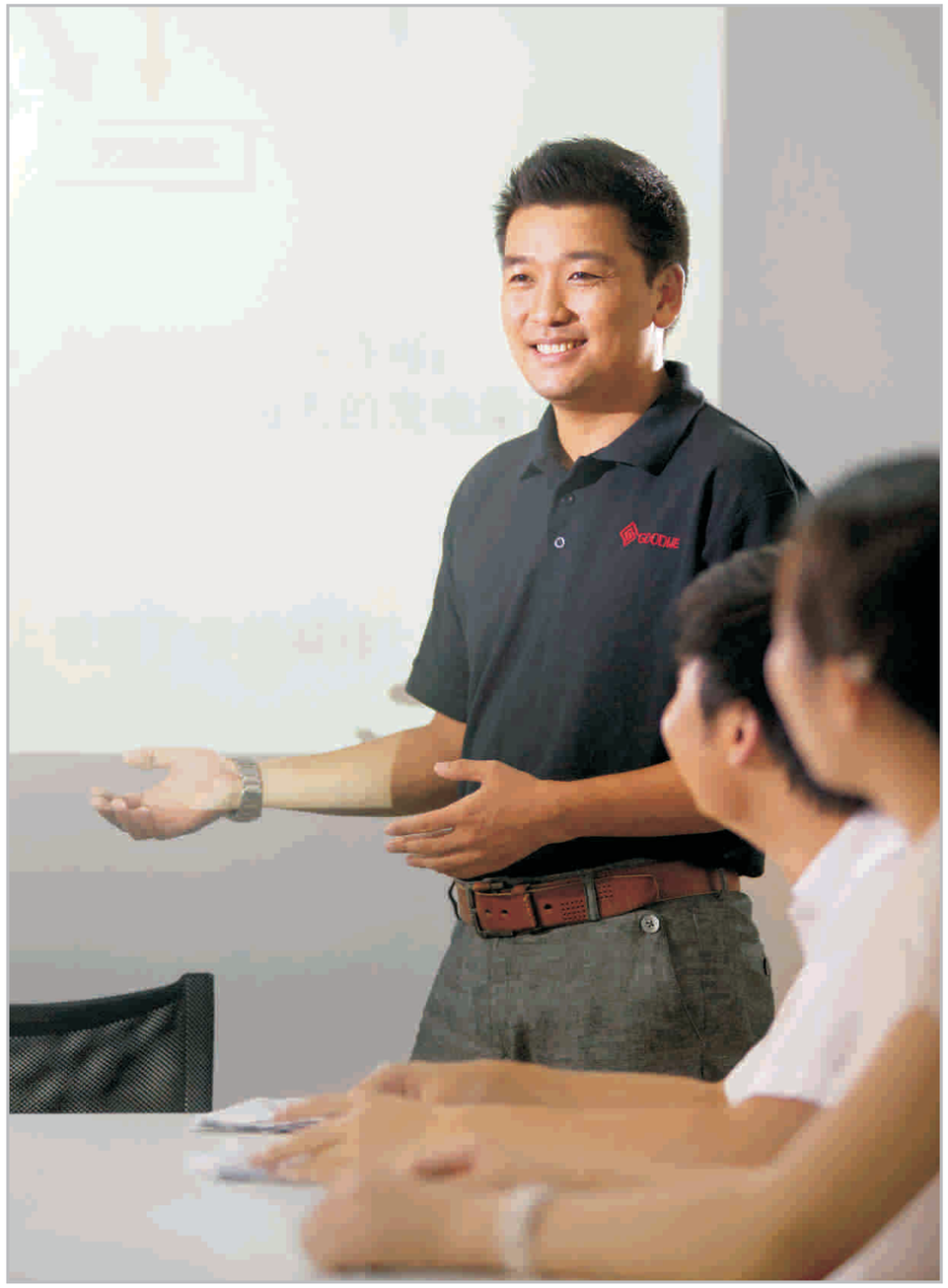
Providing excellent service to customer is an integral part of GoodWe culture, kept in staff's memory and practically implemented by staff.

In order to establish photovoltaic plant to gain long-term benefit return, it is necessary to require reliable, flexible and improved service system more than the durable and efficient photovoltaic inverter. GoodWe is committed to provide customer with high technical and professional service, and Goodwe's expert team will, at anytime anywhere, satisfy customers with hotline and field service.

Solar Academy

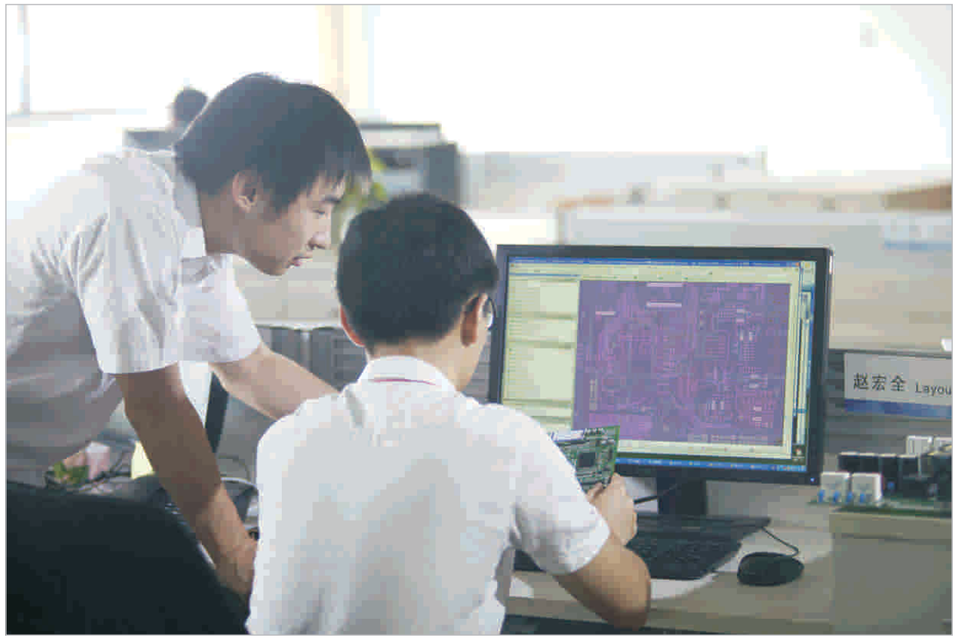
Know More and Achieve More: GoodWe Solar Academy can provide professional expertise training about photovoltaic plant and specific industry, help user acquainted with latest industrial development trend, development direction and hot issues, etc., in addition, its practical operating equipment will improve the comprehension of user about operation.





Consulting Service

Customer can get a better understanding of our product and service through hotline at anytime, GoodWe customer service system will resolve your problems concerning system design, installation, debugging and troubleshooting. For simple problems, customer service personnel will solve directly through hotline; and relevant experts will resolve complicated ones for you.



System Design Service

System design includes the selection of photovoltaic modules and inverters, detailed scheme for system design and the detection system. Goodwe customizes the optimal system design scheme, equips with senior experts and system scheme experts, and be poised to provide the professional package consulting service ranging from investment proposal, construction and operation of photovoltaic project, benefiting customer with profitable return from the investment in photovoltaic industry.

Field Service

GoodWe’s technical service engineer will, based on the requirement of customer, provide with professional and efficient field installation and debugging service to ensure the smooth completion of project until successful generation, supply with excellent service system for quick field fault diagnosis and equipment replacement service. In addition, in response to the request from customer, technical service engineer will provide training in terms of relevant knowledge, daily operation and maintenance of equipment.

Warranty Service

GoodWe provides 5-year standard warranty for combination type product and 2-year for the integration type product. During the quality warranty period, user is entitled to enjoy maintenance and equipment replacement service for free. In case of any inverter fault beyond quality warranty period, only cost price will be charged for maintenance or equipment replacement, and the quality warranty period will be prolonged one year for the equipment after replacement.

To better guarantee customer's interest, GoodWe has signed cooperative agreement with Chubb Group to insure photovoltaic inverters globally, and also GoodWe has been the first Chinese enterprise signing product insurance agreement with a world insurance group. With the application of Chubb's perfect global network, customers around the world, in case of any loss due the operation of product, will be able to find the local sub-branch of Chubb, and get the after the confirmation by insurance company. Apart from the reliable product quality, the global product insurance means another guarantee for the solar power generation investors. Chubb Group of Insurance Companies is one of the largest non-life insurers in the world, also one of the four largest listed insurance companies in America. At present, Chubb has established over 120 branches in 27 countries and areas, covering Asia, Europe, Australia, North America and South America.

GoodWe carries out strict quality testing procedure during production for products; in addition, the complete machine test prior to delivery guarantees the stable and reliable product operation after installation as well as helps improving the operation efficiency and quality of power plant by timely updating the system software and hardware.

Reference

6kW Rooftop project, Denmark

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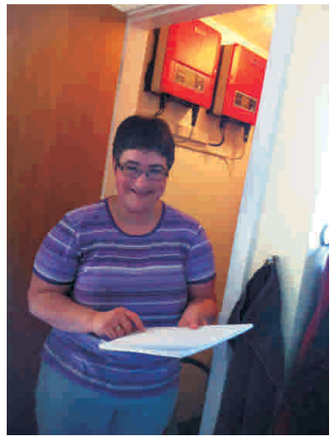
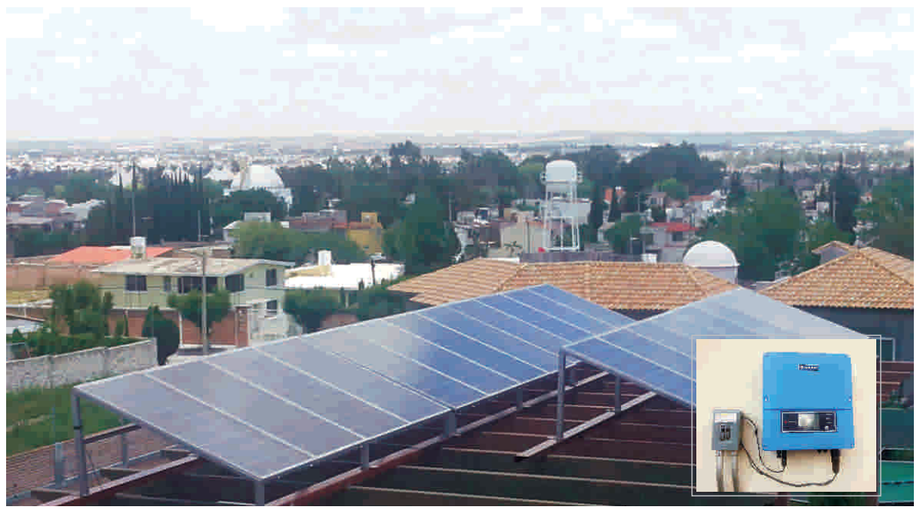


20kW rooftop project, Germany

20kW rooftop project, UK

5kW rooftop project, Australia



50kW rooftop project, Mexico

200kW project, Suzhou, China

3kW rooftop project, Italy

3kW rooftop project, Netherlands

2kW rooftop project, Switzerland

50kW rooftop project, Australia

Professional attitude in working

eine gut gemachte Produktpräsentation eines Chinesischen Herstellers zu sehen

从去年安装并网到现在，没有出现任何问题，太阳不好甚至阴天都能发电！

"We are about to install Inverters around and your Inverters are very fine. I am very satisfied." Jesper Kruckow, Managing Director at A&K Solar

对我们的反馈意见积极响应，产品认证速度很快！

机器的外观真的很不错，产品的稳定性也很让人满意！

I was happy with the quality and ease of installation.

from David Bartley in SUNRISE SOLAR in Australia

Thank for making all the changes. We are quite happy with the product. And we are awaiting the feed back from our customers in the next couple of days.

你们的运营模式很西方化，罗馨、高效。

We feel there is no doubt that with the quality of your product, and our marketing expertise in the UK any relationship with each other will be mutually beneficial.

Appearance of GoodWe Inverters accords with appreciation of the western beauty

Distinctive company

(5 hours driving for the visiting, most of companies cannot make it)

Efficiency and Stability are higher than some of the European brands
European Design
Fashion appearance
Perfect in workmanship

Exhibition Promotion

6th RENEWABLE ENERGY INDIA 2012 EXPO

27th European Photovoltaic Solar Energy Conference and Exhibition
Conference 24 - 28 Sept 2012 • Exhibition 25 - 28 Sept 2012
Messe Frankfurt, Germany

inter solar connecting solar business | EUROPE

SOLAR POWER INTERNATIONAL 12

PV CHINA

AsiaSolar™

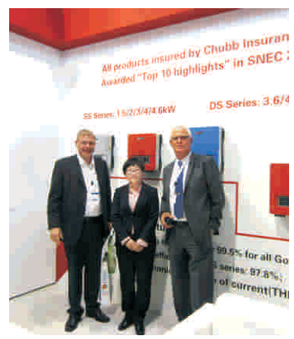
SNEC PV POWER EXPO
Dialogue & Conference & Exhibition

9th

CPVC

inter solar connecting solar business | CHINA

EAST SOLAR EXPO & CONFERENCE
Presented by AUPVSEE and AuSES



ecobuild

SOLAR POWER UK

Media Promotion