



More than "Double A" More than respectable result

Photon The Solar Power Magazine International GoodWe GW4000-SS A 96.9 % for medium irradiation 12/2012 www.photon.info	Photon The Solar Power Magazine International GoodWe GW4000-SS A 97.1 % for high irradiation 12/2012 www.photon.info
---	---

Straight on a path to success

A compact, unadorned 4 kW inverter from China has passed the PHOTON test with a more than respectable result: its efficiency is as impressive as its operation is convenient

——Photon International

Global Service Hotline: +86 4009-281-333

GoodWe (Europe) Lise-Meitner-Str. 1-13 (Haus 1) D-42119 Wuppertal, Germany T: +49 202 94228160 F: +49 202 94228161 europe@goodwe.com.cn www.goodwe.de	GoodWe (Australia) 74 Tarana Avenue, Glenroy VIC 3046, Australia T: +61 432 180 156 david.liu@goodwe.com.cn www.goodwe.de	GoodWe (China) No.189 Kunlunshan Rd., SND, Suzhou, 215163, China T: +86 512 6239 6771 F: +86 512 6239 7972 sales@goodwe.com.cn www.goodwe.com.cn
--	---	---



SS Series

GoodWe SS series inverter is designed under modern ID concept. There are three colors for option with fashionable appearance. It is widely and flexibly used in residential rooftop units because of its wide range of voltage and current inputs. It features very high conversion efficiency and reliability. SS series provides long-term and stable generating benefits. The powerful, intelligent, user friendly interface and smart design makes it most suitable for residential applications.

SS Series Technical Data

- Up to 10 safe measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- MPPT Efficiency over 99.5%
- THDI less than 1%
- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 45°C full-head output
- 3 selectable appearance colors

color options



GW1500-SS

GW2000-SS

GW3000-SS

DC Input Data		1800	2300	3200
Max. PV-generator power [W]		450	500	500
Max. DC voltage [V]		80-400	125-450	125-450
MPPT voltage range [V]		105	125	125
Turn on DC voltage [V]		65	90	90
Turn off DC voltage [V]		12	15	18
Max. DC work current [A]		1/1	2/1	2/1
Number of inputs/MPPT trackers		MC IV Connector (optional)	MC IV Connector (optional)	MC IV Connector (optional)
DC connector		5	5	5
Standby power consumption [W]				

AC Output Data		1500	2000	3000
Nominal AC power [W]		1650	2000	3000
Max. AC power [W]		8	10	15
Max. AC current [A]				
Nominal output voltage range		VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3
AC grid frequency		VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3
THDI		<1%	<1%	<1%
Power factor		~1 (Nominal power)	~1 (Nominal power)	~1 (Nominal power)
AC connector		Single phase	Single phase	Single phase

Max. efficiency		97.0%	97.0%	97.0%
European efficiency		>96.0%	>96.0%	>96.5%
MPPT adaptation efficiency		>99.5%	>99.5%	>99.5%

Safety Equipment		Integrated	Optional
Leakage current monitoring unit		Integrated	Optional
DC switch		Optional	Optional
Islanding protection		AFD	AFD
Grid monitoring		VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, GB311, AS4777.2/3

Normative Reference		EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, AS3100	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, AS3100	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, AS3100
EMC compliance				
Safety compliance				

General Data		330*350*125	330*350*125	330*350*125
Dimensions (W*H*D) [mm]		12	12	13
Net weight [kg]				
Housing		For outdoor and indoor	For outdoor and indoor	For outdoor and indoor
Mounting information		Wall mounting	Wall mounting	Wall mounting
Operating temperature range		-20~60°C (up: 45°C derating)	-20~60°C (up: 45°C derating)	-20~60°C (up: 45°C derating)
Relative humidity		0~95%	0~95%	0~95%
Site altitude [m]		2000	2000	2000
IP protection class		IP65	IP65	IP65
Topology		Transformerless	Transformerless	Transformerless
Cooling concept		Natural convection	Natural convection	Natural convection
Noise level [dB]		<25	<25	<25
Display		4" LCD	4" LCD	4" LCD
Communication		USB2.0, RS485/Wi-Fi/ZigBee (optional)	USB2.0, RS485/Wi-Fi/ZigBee (optional)	USB2.0, RS485/Wi-Fi/ZigBee (optional)
Standard warranty [years]		5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)

GW4000-SS(Photon Test)

GW4600-SS

GW3600S-NL

GW3600S-DK

DC Input Data		4600	5400	4200
Max. PV-generator power [W]		580	580	580
Max. DC voltage [V]		125-550	125-550	125-550
MPPT voltage range [V]		125	125	125
Turn on DC voltage [V]		90	90	90
Turn off DC voltage [V]		20	20	20
Max. DC work current [A]		3/1	3/1	3/1
Number of inputs/MPPT trackers		MC IV Connector (optional)	MC IV Connector (optional)	MC IV Connector (optional)
DC connector		5	5	5
Standby power consumption [W]				

AC Output Data		4000	4400	5100
Nominal AC power [W]		22	25	25
Max. AC power [W]				
Max. AC current [A]				
Nominal output voltage range		VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3
AC grid frequency		VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3
THDI		<1%	<1%	<1%
Power factor		~1 (Nominal power)	~1 (Nominal power)	~1 (Nominal power)
AC connector		Single phase	Single phase	Single phase

Max. efficiency		97.8%	97.8%	97.8%
European efficiency		>97.4%	>97.4%	>97.4%
MPPT adaptation efficiency		>99.5%	>99.5%	>99.5%

Safety Equipment		Integrated	Optional
Leakage current monitoring unit		Integrated	Optional
DC switch		Optional	Optional
Islanding protection		AFD	AFD
Grid monitoring		VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, G592, AS4777.2/3

Normative Reference		EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, AS3100	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, AS3100	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1, AS3100
EMC compliance				
Safety compliance				

General Data		390*417*142	390*417*142	390*417*142
Dimensions (W*H*D) [mm]		18	18	18
Net weight [kg]				
Housing		For outdoor and indoor	For outdoor and indoor	For outdoor and indoor
Mounting information		Wall mounting	Wall mounting	Wall mounting
Operating temperature range		-20~60°C (up: 45°C derating)	-20~60°C (up: 45°C derating)	-20~60°C (up: 45°C derating)
Relative humidity		0~95%	0~95%	0~95%
Site altitude [m]		2000	2000	2000
IP protection class		IP65	IP65	IP65
Topology		Transformerless	Transformerless	Transformerless
Cooling concept		Natural convection	Natural convection	Natural convection
Noise level [dB]		<25	<25	<25
Display		4" LCD	4" LCD	4" LCD
Communication		USB2.0, RS485/Wi-Fi/ZigBee (optional)	USB2.0, RS485/Wi-Fi/ZigBee (optional)	USB2.0, RS485/Wi-Fi/ZigBee (optional)
Standard warranty [years]		5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)