



SS Series(Single-MPPT, Single-Phase)

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 input voltage and current. 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.

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%
- Up to 10 safety measurements
- DC switch
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of MPPT voltage
- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data

	GW1500-SS	GW2000-SS	GW3000-SS	GW4000-SS Photon Test	GW4600-SS
DC Input Data					
Max. PV-generator power [W]	1800	2300	3200	4600	5400
Max. DC voltage [V]	450	500	500	580	580
MPPT voltage range [V]	125~400	125~450	125~450	125~550	125~550
Turn on DC voltage [V]	125	125	125	125	125
Max. DC work current [A]	12	15	18	20	20
Number of inputs/MPP trackers	1/1	2/1	2/1	3/1	3/1
DC connector	MC IV Connector (optional)			MC IV Connector (optional)	
Standby power consumption [W]	5	5	5	5	5
AC Output Data					
Nominal AC power [W]	1500	2000	3000	4000	4600
Max. AC power [W]	1650	2000	3000	4400	5100
Max. AC current [A]	8	10	15	22	25
Nominal output voltage range	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G83/1, AS4777.2/3			VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2, AS4777.2/3	
AC grid frequency	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G83/1, AS4777.2/3			VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2, AS4777.2/3	
THDi	<1%	<1%	<1%	<1%	<1%
Power factor	~1 (Nominal power)	~1 (Nominal power)	~1 (Nominal power)	~1 (Nominal power)	~1 (Nominal power)
AC connector	Single phase	Single phase	Single phase	Single phase	Single phase
Efficiency					
Max. efficiency	97.0%	97.0%	97.0%	97.8%	97.8%
European efficiency	>96.0%	>96.0%	>96.5%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%	>99.5%
Safety Equipment					
Leakage current monitoring unit	Integrated	Integrated	Integrated	Integrated	Integrated
DC switch	Optional	Optional	Optional	Optional	Optional
Islanding protection	AFD	AFD	AFD	AFD	AFD
Grid monitoring	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G83/1, AS4777.2/3			VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, 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			EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	
Safety compliance	IEC 62109-1, AS3100			IEC 62109-1, AS3100	
General Data					
Dimensions (W*H*D) [mm]	330*350*125			390*417*142	
Net weight [kg]	12			18	
Housing	For outdoor and indoor			For outdoor and indoor	
Mounting information	Wall mounting			Wall mounting	
Operating temperature range	-20~60°C (up 45°C derating)			-20~60°C (up 45°C derating)	
Relative humidity	0~95%			0~95%	
Site altitude [m]	2000			2000	
IP protection class	IP65			IP65	
Topology	Transformerless			Transformerless	
Cooling concept	Natural convection			Natural convection	
Noise level [dB]	<25			<25	
Display	4" LCD			4" LCD	
Communication	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)	



color options