

SS Series Technical Data



- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.9%
- THD less than 1%
- Up to 10 safety measurements
- DC switch disconnector
- IP65 dust-proof and water-proof
- 65°C full-load output
- Wide range of MPPT voltage
- User-friendly Large LCD
- Wireless monitoring and communication
- Wireless barcode design
- 3 selectable appearance colors

GW1500-SS

GW2000-SS

GW3000-SS

DC Input Data			
Max. PV-generator power [kW]	1800	2300	3000
Max. DC voltage [V]	450	500	500
MPPT voltage range [V]	30-400	125-450	125-450
Turn on DC voltage [V]	165	125	125
Turn off DC voltage [V]	65	80	80
Max. DC work current [A]	12	15	18
Number of inputs/MPPT trackers	1/1	2/1	2/1
DC connector	MC IV Connector (optional)	MC IV Connector (optional)	MC IV Connector (optional)
Standby power consumption [W]	5	5	5
AC Output Data			
Nominal AC power [kW]	1500	2000	3000
Max. AC power [kW]	1600	2000	3000
Max. AC current [A]	9	10	15
Nominal output voltage range	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3
AC grid frequency	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3
THD	<1%	<1%	<1%
Power factor	-1 (Nominal power)	-1 (Nominal power)	-1 (Nominal power)
AC connector	Single phase	Single phase	Single phase
Efficiency			
Max. efficiency	97.8%	97.8%	97.8%
European efficiency	>96.2%	>96.2%	>96.2%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%
Safety Equipment			
Leakage current monitoring unit	Integrated	Integrated	Integrated
DC switch	Optional	Optional	Optional
Inhibiting protection	AFD	AFD	AFD
Grid monitoring	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3
Nomative Reference			
CAC compliance	EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4	EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4	EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4
Safety compliance	IEC 62109-1, AS2100	IEC 62109-1, AS2100	IEC 62109-1, AS2100
General Data			
Dimensions (W*H*D) [mm]	330*250*125	330*250*125	330*250*125
Net weight [kg]	12	12	18
Housing	For outdoor and indoor	For outdoor and indoor	For outdoor and indoor
Mounting information	Wall mounting	Wall mounting	Wall mounting
Operating temperature range	-30~40°C (up 45°C derating)	-30~40°C (up 45°C derating)	-30~40°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/2G/4G(optional)	USB2.0, RS485/Wi-Fi/2G/4G(optional)	USB2.0, RS485/Wi-Fi/2G/4G(optional)
Standard warranty [years]	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)

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.

color options



GW4000-SS(Phoenix Teak)

GW4600-SS

GW3600S-UK

GW3600S-DK

4600	5400	4200	4200
580	580	580	580
125-550	125-550	125-550	125-550
125	125	125	125
80	90	90	90
20	20	20	20
3/1	3/1	3/1	3/1
MC IV Connector (optional)	MC IV Connector (optional)	MC IV Connector (optional)	MC IV Connector (optional)
5	5	5	5
4600	4600	3600	3600
4600	5100	4300	4000
22	25	18	16
VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	GB31	VDE 0126-1-1A/1, VDE-AR-N 4105
VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	GB31	VDE 0126-1-1A/1, VDE-AR-N 4105
<1%	<1%	<1%	<1%
-1 (Nominal power)	-1 (Nominal power)	-1	-1
Single phase	Single phase	Single phase	Single phase
97.8%	97.8%	97.8%	97.8%
>97.4%	>97.4%	>97.4%	>97.4%
>99.5%	>99.5%	>99.5%	>99.5%
Integrated	Integrated	Integrated	Integrated
Optional	Optional	Optional	Optional
AFD	AFD	AFD	AFD
VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1A/1, RD1699, CEI 0-21, GB31, AS4777.2/3	GB31	VDE 0126-1-1A/1, VDE-AR-N 4105
EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4	EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4	EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4	EN 61000-4-1, EN 61000-6-2, EN 61000-4-3, EN 61000-6-4
IEC 62109-1, AS2100	IEC 62109-1, AS2100	IEC 62109-1, AS2100	IEC 62109-1, AS2100
330*417*142	330*417*142	330*417*142	330*417*142
18	18	18	18
For outdoor and indoor	For outdoor and indoor	For outdoor and indoor	For outdoor and indoor
Wall mounting	Wall mounting	Wall bracket	Wall bracket
-30~40°C (up 45°C derating)	-30~40°C (up 45°C derating)	-30~40°C (up 45°C derating)	-30~40°C (up 45°C derating)
0~95%	0~95%	0~95%	0~95%
2000	2000	2000	2000
IP65	IP65	IP65	IP65
Transformerless	Transformerless	Transformerless	Transformerless
Natural convection	Natural convection	Natural convection	Natural convection
<25	<25	<25	<25
4" LCD	4" LCD	4" LCD	4" LCD
USB2.0, RS485/Wi-Fi/2G/4G(optional)	USB2.0, RS485/Wi-Fi/2G/4G(optional)	USB2.0, RS485/Wi-Fi/2G/4G(optional)	USB2.0, RS485/Wi-Fi/2G/4G(optional)
5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)