

Technical Data	GW1500-SS	GW2000-SS	GW3000-SS	GW4000-SS	GW4600-SS
DC Input Data					
Max. DC power [W]	1800	2300	3200	4600	5400
Max. DC voltage [V]	450	500	500	580	580
MPPT voltage range [V]	125~450	125~450	125~450	125~550	125~550
Starting voltage [V]	125	125	125	125	125
Max. DC current [A]	12	15	18	20	20
No. of DC connectors	1	1	2	2	2
No. of MPPTs	1	1	1	1	1
DC connector	SUNCLIX / MC4 (optional)			SUNCLIX / MC4 (optional)	
AC Output Data					
Normal 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
Normal AC output	50/60Hz; 230Vac			50/60Hz; 230Vac	
AC output range	45~55Hz/55~65Hz; 180~270Vac			45~55Hz/55~65Hz; 180~270Vac	
THDi	<1%			<1%	
Power factor	0.9 leading~0.9 lagging			0.9 leading~0.9 lagging	
Grid connection	Single phase	Single phase	Single phase	Single phase	Single phase
Efficiency					
Max. efficiency	97.0%	97.0%	97.0%	97.8%	97.8%
Euro efficiency	>96%	>96%	>96.5%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%	>99.5%
Protection					
Residual current monitoring unit	Integrated			Integrated	
Anti-islanding protection	Integrated			Integrated	
DC switch	Integrated (optional)			Integrated (optional)	
AC over current protection	Integrated			Integrated	
Insulation monitoring	Integrated			Integrated	
Certifications&Standards					
Grid regulation	VDE-AR-N 4105, AS4777.2&3, RD1699, G83/2, IEC62109-2, VDE0126-1-1+A1, EN50438			VDE-AR-N 4105, AS4777.2&3, RD1699, G59/2, IEC62109-2, VDE0126-1-1+A1, EN50438, NRS097-2-1	
Safety	According to IEC62109-1&-2, AS3100			According to IEC62109-1&-2, AS3100	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3			EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3	
General Data					
Dimensions (WxHxD)	330*350*125mm			390*417*142mm	
Weight [kg]	12	12	13	18	18
Mounting	Wall bracket			Wall bracket	
Ambient temperature range	-20~60°C (> 45°C derating)			-20~60°C (> 45°C derating)	
Relative humidity	0~95%			0~95%	
Max. operating altitude	2000			2000	
Protection degree	IP65			IP65	
Topology	Transformerless			Transformerless	
Night power consumption [W]	<1			<1	
Cooling	Nature convection			Nature convection	
Noise emission [dB]	<25			<25	
Display	4.0" LCD			4.0" LCD	
Communication	USB2.0; RS485 or WiFi			USB2.0; RS485 or WiFi	
Standard warranty [years]	5/10/15/20/25 (optional)			5/10/15/20/25 (optional)	