

Technical Data

	GW1500-SS	GW2000-SS	GW3000-SS	GW4000-SS	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]	125-450	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				
Self-energy consumption [W]	<5					
AC Output Data	Nominal AC power [W]	1500	2000	3000	4000	4600
	Max. AC power [W]	1650	2000	3000	4400	5100
	Max. output current [A]	8	10	15	22	25
	Nominal output voltage range	According to VDE 0126-I-1/A1, RDI663, ENEL, G83, G59, SAA				
	AC grid frequency	According to VDE 0126-I-1/A1, RDI663, ENEL, G83, G59, SAA				
	THDI	<1%				
	Power factor	-1 (Nominal power)				
	AC connection	Single phase				
Efficiency	Max. efficiency	970%	970%	970%	978%	978%
	European efficiency	96.0%	96.0%	96.5%	974%	974%
	MPPT adaptation efficiency	>99.5%				
Safety Equipment	Leakage current monitoring unit	Integrated				
	DC switch disconnecter	Optional				
	Islanding protection	AFD				
	Grid monitoring	According to VDE 0126-I-1/A1, AS4777 1/2/3, RDI663, ENEL, G83, G59-2				
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 (WxHxD) [mm]	330x350x125	330x350x125	330x350x125	390x417x142	390x417x142
	Net weight [kg]	12	12	13	18	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	Natural convection				
	Noise level [dB]	<25				
	Display	4" LCD				
	Communication	USB2.0 ; RS485 (Wireless/Bluetooth optional)				
	Standard warranty [years]	5/10 (optional)				