

Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5KD-NS	GW5000D-NS
DC Input Data					
Max. allowed PV Power [W]	3900	4680	5460	6500	6500
Nominal DC Power [W]	3300	3960	4600	5500	5500
Max. DC voltage [V]	580	580	580	580	580
MPPT voltage range [V]	80~550	80~550	80~550	80~550	80~550
Starting voltage [V]	120	120	120	120	120
Max. DC current [A]	11/11	11/11	11/11	11/11	11/11
No. of DC connectors	2	2	2	2	2
No. of MPPTs	2 (can parallel)		2 (can parallel)		
DC connector	MC4/ Phoenix/ Amphenol		MC4/ Phoenix/ Amphenol		
AC Output Data					
Nominal AC power [W]	3000	3680	4200	4600	5000*
Max. AC power [W]	3000	3680	4200	4950	5000*
Max. AC current [A]	13.6	16	19	21.7	22.8**
Nominal AC output	50/60Hz; 230Vac		50/60Hz; 230Vac		
AC output range	45~55Hz/55~65Hz; 180~270Vac		45~55Hz/55~65Hz; 180~270Vac		
THDi	<3%		<3%		
Power factor	0.8 leading~0.8 lagging		0.8 leading~0.8 lagging		
Grid connection	Single phase		Single phase		
Efficiency					
Max. efficiency	97.8%	97.8%	97.8%	97.8%	97.8%
Euro efficiency	>97.5%	>97.5%	>97.5%	>97.5%	>97.5%
MPPT adaptation efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
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, IEC62109-2/1, VDE0126-1-1+A1, EN50438 G83/G59		VDE-AR-N 4105, AS4777.2&3, RD1699, IEC62109-2/1, VDE0126-1-1+A1, EN50438 G83/G59		
Safety	IEC62109-1&2, AS3100				
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4, IEC/EN 61000-3-11, IEC/EN 61000-3-12				
General Data					
Dimensions (WxHxD) [mm]	347*432*145		347*432*145		
Weight [kg]	14		14		
Mounting	Wall bracket		Wall bracket		
Ambient temperature range	-25~60°C (>45°C derating)		-25~60°C (>45°C derating)		
Relative humidity	0~95%		0~95%		
Max. operating altitude	4000m(> 3000m derating)		4000m(> 3000m derating)		
Protection degree	IP65		IP65		
Topology	Transformerless		Transformerless		
Night power consumption [W]	<1		<1		
Cooling	Natural convection		Natural convection		
Noise emission [dB]	<25		<25		
Display	LCD		LCD		
Communication	Wi-Fi; RS485 or Ethernet		Wi-Fi; RS485 or Ethernet		
Standard warranty [years]	5/10/15/20/25 (optional)		5/10/15/20/25 (optional)		

*4600 VDE-AR-N4105; 4950 fro Australian; 5000 for other country

**22.8 for other country; 21.7 fro Australian

Color Options