



Technical Data	GW3600-NS	GW4200-NS	GW5K-NS	GW5000-NS
DC Input Data				
Max. allowed PV Power [W]	4680	5460	6500	6500
Nominal DC Power [W]	3960	4600	5500	5500
Max. DC voltage [V]	580	580	580	580
MPPT voltage range [V]	80~550	80~550	80~550	80~550
Starting voltage [V]	120	120	120	120
Max. DC current [A]	22	22	22	22
No. of DC connectors	2	2	2	2
No. of MPPTs	1	1	1	1
DC connector	MC4/ Phoenix/ Amphenol	MC4/ Phoenix/ Amphenol	MC4/ Phoenix/ Amphenol	MC4/ Phoenix/ Amphenol
AC Output Data				
Norminal AC power [W]	3680	4200	4600	5000*
Max. AC power [W]	3680	4200	4950	5000*
Max. AC current [A]	16	19	21.7	22.8**
Norminal 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%
Euro efficiency	>97.5%	>97.5%	>97.5%	>97.5%
MPPT adaptation efficiency	99.9%	99.9%	99.9%	99.9%
Protection				
Residual current monitoring unit	Integrated	Integrated	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated	Integrated	Integrated
DC switch	Integrated (optional)	Integrated (optional)	Integrated (optional)	Integrated (optional)
AC over current protection	Integrated	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated	Integrated
Certifications & Standards				
Grid regulation	VDE-AR-N 4105, AS4777.2&3, G59/3, VDE0126-1-1, EN50438, ERDF-NOI-RES_13E;		VDE-AR-N 4105, AS4777.2&3, G59/3, VDE0126-1-1, EN50438, ERDF-NOI-RES_13E;	
Safety	IEC62109-1&-2, AS3100		IEC62109-1&-2, AS3100	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12		EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12	
General Data				
Dimensions (WxHxD) [mm]	347*432*145	347*432*145	347*432*145	347*432*145
Weight [kg]	14	14	14	14
Mounting	Wall bracket	Wall bracket	Wall bracket	Wall bracket
Ambient temperature range	-25~60°C (>45°C derating)	-25~60°C (>45°C derating)	-25~60°C (>45°C derating)	-25~60°C (>45°C derating)
Relative humidity	0~95%	0~95%	0~95%	0~95%
Max. operating altitude	4000m(> 3000m derating)	4000m(> 3000m derating)	4000m(> 3000m derating)	4000m(> 3000m derating)
Protection degree	IP65	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Night power consumption [W]	<1	<1	<1	<1
Cooling	Natural convection	Natural convection	Natural convection	Natural convection
Noise emission [dB]	<25	<25	<25	<25
Display	LCD	LCD	LCD	LCD
Communication	Wi-Fi; RS485 or Ethernet	Wi-Fi; RS485 or Ethernet	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)	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