



Technical Data	GW3600-NS	GW4200-NS	GW5K-NS	GW5000-NS
<b>DC Input Data</b>				
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
<b>AC Output Data</b>				
Normal 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**
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	<3%		<3%	
Power factor	0.8 leading~0.8 lagging		0.8 leading~0.8 lagging	
Grid connection	Single phase		Single phase	
<b>Efficiency</b>				
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%
<b>Protection</b>				
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
<b>Certifications &amp; Standards</b>				
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	
<b>General Data</b>				
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