

Technical Data

GW4000-DT

GW5000-DT

GW6000-DT

DC Input Data			
Max. DC power [W]	4200	5200	6200
Max. DC voltage [V]	1000	1000	1000
MPPT voltage range [V]	200~800	200~800	200~800
Starting voltage [V]	180	180	180
Max. DC current [A]	11/11	11/11	11/11
No. of DC connectors	2	2	2
No. of MPPTs	2 (can parrallel)	2 (can parrallel)	2 (can parrallel)
DC connector	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)
AC Output Data			
Norminal AC power [W]	4000	5000	6000
Max. AC power [W]	4000	5000	6000
Max. AC current [A]	7	8.5	10
Norminal AC output	50/60Hz; 400Vac	50/60Hz; 400Vac	50/60Hz; 400Vac
AC output range	45~55Hz/55~65Hz; 310~480Vac	45~55Hz/55~65Hz; 310~480Vac	45~55Hz/55~65Hz; 310~480Vac
THDi	<1.5%	<1.5%	<1.5%
Power factor	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging	0.90 leading~0.9 lagging
Grid connection	3W/N/PE	3W/N/PE	3W/N/PE
Efficiency			
Max. efficiency	97.8%	97.8%	97.8%
Euro efficiency	>96.7%	>96.7%	>96.7%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%
Protection			
Residual current monitoring unit	Integrated	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated	Integrated
DC switch	Integrated (optional)	Integrated (optional)	Integrated (optional)
AC over current protection	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated
Certifications&Standards			
Grid regulation	VDE-AR-N 4105, AS4777.2&3, IEC62109-2, VDE0126-1-1+A1, EN50438, G83/2		
Safety	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		
General Data			
Dimensions (WxHxD)	516*474*192mm	516*474*192mm	516*474*192mm
Weight [kg]	24	24	24
Mounting	Wall Mounting	Wall Mounting	Wall Mounting
Ambient temperature range	-20~60°C (>45°C derating)	-20~60°C (>45°C derating)	-20~60°C (>45°C derating)
Relative humidity	0~95%	0~95%	0~95%
Max. operating altitude	2000m	2000m	2000m
Protection degree	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless
Night power consumption [W]	<1	<1	<1
Cooling	Nature Convection	Nature Convection	Nature Convection
Noise emission [dB]	<30	<30	<30
Display	5.0" LCD	5.0" LCD	5.0" LCD
Communication	USB2.0; RS485 or WiFi	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)	5/10/15/20/25 (optional)