

Technical Data	GW4000-DT	GW5000-DT	GW5000L-DT	GW6000-DT	GW6000L-DT	GW8000-DT	GW10KN-DT	GW10KL-DT	
PV String Input Data									
Max. DC Input Power (W)	5200	6500	6500	7800	7800	9600	12000	12000	
Max. DC Input Voltage (V)	1000	1000	600	1000	600	1000	1000	600	
MPPT Range (V)	200~800	200~800	200~550	200~800	200~550	200~850	200~850	200~550	
Start-up Voltage (V)	180	180	180	180	180	180	180	180	
Nominal DC Input Voltage (V)	620	620	480	620	480	620	620	480	
Max. Input Current (A)	11/11	11/11	11/11	11/11	11/11	11/11	11/11	22/11	
Max. Short Current (A)	13.8/13.8	13.8/13.8	13.8/13.8	13.8/13.8	13.8/13.8	13.8/13.8	13.8/13.8	27.6/13.8	
No. of MPP Trackers	2	2	2	2	2	2	2	2	
No. of Input Strings per Tracker	1/1	1/1	1/1	1/1	1/1	1/1	1/1	2/1	
AC Output Data									
Nominal Output Power (W)	4000* ¹	5000* ¹	5000	6000* ¹	6000	8000* ¹	10000* ¹	10000	
Max. Output Apparent Power (VA)	4000	5000	5000	6000	6000	8000	10000	10000	
Nominal Output Voltage (V)	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	
Max. Output Current (A)	8.5	8.5	8.5	10	10	12.1	15.2	15.2	
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)								
Output THDi (@Nominal Output)	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	
Efficiency									
Max. Efficiency	98.0%	98.0%	98.0%	98.0%	98.0%	98.3%	98.3%	98.3%	
European Efficiency	>97.5%	>97.5%	>97.5%	>97.5%	>97.5%	>98.0%	>98.0%	>98.0%	
Protection									
PV String current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
DC SPD Protection	Integrated(Type III)								
AC SPD Protection	Integrated(Type III)								
General Data									
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60	
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	
Cooling	Natural Convection							Natural Cooling	
Noise (dB)	<30	<30	<30	<30	<30	<30	<30	<30	
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	
Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	
Weight (kg)	24	24	24	24	24	24	24	26	
Size (Width*Height*Depth mm)	516*415*192	516*415*192	516*415*192	516*415*192	516*415*192	516*415*192	516*415*192	516*455*192	
Protection Degree	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	
Night Self Consumption (W)	<1	<1	<1	<1	<1	<1	<1	<1	
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	
Certifications & Standards									
Grid Regulation	VDE0126-1-1, VDE-AR-N 4105, EN50438, CEI 0-21	AS4777.2, VDE0126-1-1, VDE-AR-N 4105, EN50438, CEI 0-21	AS4777.2, VDE0126-1-1, VDE-AR-N 4105, EN50438, CEI 0-21	VDE0126-1-1, VDE-AR-N 4105, EN50438, CEI 0-21	AS4777.2, VDE0126-1-1, VDE-AR-N 4105, EN50438, CEI 0-21	VDE0126-1-1, AS4777.2, G83, IEC61727, IEC62116, EN50438(SW), EN50438(IR)	VDE0126-1-1, AS4777.2, G83, IEC61727, IEC62116, EN50438(SW), EN50438(IR), CEI 0-21	VDE0126-1-1, AS4777.2, G83, IEC61727, IEC62116, EN50438(SW), EN50438(IR), CEI 0-21	
Safety Regulation	IEC62109-1&-2								
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29								

*1: For CEI 0-21 Nominal Output Power GW4000-DT is 3605, GW5000-DT is 4550, GW6000-DT is 5450, GW8000-DT is 7250, GW10KN-DT is 9050.