

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), 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.