

SDT G2 Series

Dual-MPPT, Three-Phase



Technical Data	GW5K-DT	GW6K-DT
PV String Input Data		
Max. DC Input Power (W)	7500	9000
Max. DC Input Voltage (V)	1000	1000
MPPT Range (V)	180~850	180~850
Start-up Voltage (V)	160	160
Min. Feed-in Voltage (V)	210	210
Nominal DC Input Voltage (V)	620	620
Max. Input Current (A)	12.5/12.5	12.5/12.5
Max. Short Current (A)	15.6/15.6	15.6/15.6
No. of MPP Trackers	2	2
No. of Input Strings Per MPP Tracker	1/1	1/1
AC Output Data		
Nominal Output Power (W)	5000	6000
Max. Output Apparent Power (VA)	5500*	6600*
Nominal Output Voltage (V)	400, 3L/N/PE	400, 3L/N/PE
Nominal Output Frequency (Hz)	50/60	50/60
Max. Output Current (A)	8	9.6
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDi (@Nominal Output)	<3%	<3%
Efficiency		
Max. Efficiency	98.2%	98.2%
Europe Efficiency	>97.6%	>97.6%
Protection		
Anti-islanding Protection	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated
DC Surge Protection	Integrated (Type III)	
AC Surge Protection	Integrated (Type III)	
Residual Current Monitoring Unit	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated
Output Short Protection	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated
General Data		
Operating Temperature Range (°C)	-30~60	-30~60
Relative Humidity	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000
Cooling	Natural Cooling	Natural Cooling
User Interface	LCD&LED	LCD&LED
Communication	WiFi or LAN or RS485	
Weight (kg)	15	15
Size (Width*Height*Depth mm)	354*433*147	354*433*147
Protection Degree	IP65	IP65
Night Self Consumption (W)	<1	<1
Topology	Transformerless	

*1: For Belgium Max.Output Apparent Power (VA): GW4K-DT is 4000; GW5K-DT is 5000; GW6K-DT is 6000;GW8K-DT is 8000; GW10KT-DT is 10000;GW12KT-DT is 12000; GW15KT-DT is 15000; GW17KT-DT is 17000; GW20KT-DT is 20000; GW25KT-DT is 25000.