

SDT G2 Series Datasheet



Technical Data	GW17KT-DT	GW20KT-DT	GW25KT-DT
PV String Input Data			
Max. DC Input Power (W)	25500	30000	37500
Max. DC Input Voltage (V)	1100	1100	1100
MPPT Range (V)	200~950	200~950	200~950
Starting Voltage (V)	180	180	180
Min. Feed-in Voltage (V)	210	210	210
Nominal DC Input Voltage (V)	620	620	600
Max. Input Current (A)	25/25	25/25	37.5/25
Max. Short Current (A)	31.2/31.2	31.2/31.2	46.8/31.2
No. of MPP Trackers	2	2	2
No. of Input Strings per Tracker	2/2	2/2	3/2
AC Output Data			
Nominal Output Power (W)	17000	20000	25000
Max. Output Apparent Power (VA)	19000*1	22000*1	27500*1
Nominal Output Voltage (V)		400, 3L/N/PE	
Nominal Output Frequency (Hz)	50/60	50/60	50/60
Max. Output Current (A)	28.8	31.9	40.8
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<3%	<3%	<3%
Efficiency			
Max. Efficiency	98.4%	98.4%	98.4%
European Efficiency	>97.7%	>97.7%	>97.7%
Protection			
Anti-Islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II optional)		
AC Surge Protection	Type III		
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Operating Temperature Range (°C)	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000
Cooling	Fan Cooling	Fan Cooling	Fan Cooling
User Interface	LCD & LED		
Communication	WiFi or LAN or RS485(Optional)		
Weight (kg)	25	25	25
Size (Width*Height*Depth mm)	415*511*175	415*511*175	415*511*175
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless		

*1: For Belgium Max. Output Apparent Power (VA): GW17KT-DT is 17000; GW20KT-DT is 20000; GW25KT-DT is 25000.

*: Please visit GoodWe website for the latest certificates.