

SDT G2 Series Datasheet



Technical Data	GW17KT-DT	GW20KT-DT	GW25KT-DT
PV String Input Data			
Max. DC Input Power (Wp)	25500	30000	37500
Max. DC Input Voltage (V)	1100	1100	1100
MPPT Operating Voltage Range (V)	200~950	200~950	200~950
Starting Voltage (V)	180	180	180
Nominal DC Input Voltage (V)	620	620	620
Max. Input Current per MPPT (A)	25 / 25	25 / 25	37.5 / 25
Max. Short Circuit Current per MPPT (A)	31.2 / 31.2	31.2 / 31.2	46.8 / 31.2
Number of MPPT	2	2	2
Number of strings per MPPT	2 / 2	2 / 2	3 / 2
AC Output Data			
Nominal Output Power (W)	17000	20000	25000
Nominal Output Apparent Power (VA)	17000	20000	25000
Max. Output Apparent Power (VA)	19000*1	22000*1	27500*1
Nominal Output Voltage (V)		400, 3L / N / PE	
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	28.8	31.9	40.8
Nominal Output Current (A)	24.5	28.9	36.1
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<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
DC Reverse Polarity Protection	Integrated	Integrated	Integrated
DC Insulation Resistor Detection	Integrated	Integrated	Integrated
DC Surge Arrester	Type III (Type II Optional)		
AC Surge Arrester	Type III		
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional
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 Method	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling
Display	LED, LCD / Wi-Fi+APP	LED+LCD / Wi-Fi+APP	LED+LCD / Wi-Fi+APP
Communication	WiFi / LAN / RS485		
Weight (Kg)	25	25	25
Size (Width × Height × Depth mm)	415 × 511 × 175	415 × 511 × 175	415 × 511 × 175
Ingress Protection Rating	IP65	IP65	IP65
Night Power Consumption (W)	<1	<1	<1
DC Connector	MC4 (2.5~4mm ²)		
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.

○ ● Color Options: White (EMEA), Red (None-EMEA)