

SDT G3 Series



Technical Data		GW25K-SDT-30	GW30K-SDT-30
Input			
Max. Input Voltage (V)	1100		
MPPT Operating Voltage Range (V)	140 ~ 950		
Start-up Voltage (V)	160		
Nominal Input Voltage (V)	600		
Max. Input Current per MPPT (A)	40 / 40 / 40		
Max. Short Circuit Current per MPPT (A)	50 / 50 / 50		
Number of MPP Trackers	3		
Number of Strings per MPPT	2		
Output			
Nominal Output Power (W)	25000	30000	
Nominal Output Apparent Power (VA)	25000	30000	
Max. AC Active Power (W)	25000	30000	
Max. AC Apparent Power (VA)	25000	30000	
Nominal Output Voltage (V)	220 / 380, 230 / 400, 240 / 415, 3L / N / PE or 3L / PE		
Output Voltage Range (V)	180 ~ 260 (According to local standard)		
Nominal AC Grid Frequency (Hz)	50 / 60		
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65		
Max. Output Current (A)	37.9	45.5	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
Efficiency			
Max. Efficiency	98.7%		
European Efficiency	98.3%		
Protection			
PV String Current Monitoring	Integrated		
PV Insulation Resistance Detection	Integrated		
Residual Current Monitoring	Integrated		
PV Reverse Polarity Protection	Integrated		
Anti-islanding Protection	Integrated		
AC Overcurrent Protection	Integrated		
AC Short Circuit Protection	Integrated		
AC Overvoltage Protection	Integrated		
DC Switch	Integrated		
DC Surge Protection	Type II		
AC Surge Protection	Type II		
AFCI	Optional		
Remote Shutdown	Integrated		
PID Recovery	Optional		
Power Supply at Night	Integrated		
General Data			
Operating Temperature Range (°C)	-30 ~ +60		
Relative Humidity	0 ~ 100%		
Max. Operating Altitude (m)	4000		
Cooling Method	Smart Fan Cooling		
User Interface	LED, LCD (Optional), WLAN + APP		
Communication	RS485, WiFi, LAN or 4G or Bluetooth (Optional)		
Communication Protocols	Modbus TCP / RTU		
Weight (kg)	<30		
Dimension (W × H × D mm)	585 × 483 × 237		
Topology	Non-isolated		
Self-consumption at Night (W)	<1		
Ingress Protection Rating	IP66		
DC Connector	MC4 (Max. 4 ~ 6mm²)		
AC Connector	OT terminal (Max. 25mm²)		

*: Please visit GoodWe website for the latest certificates.

*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.