



SDT G3 Series

25-40 kW

Technical Data		GW25K-SDT-30	GW30K-SDT-30	GW33K-SDT-C30	GW36K-SDT-C30	GW40K-SDT-C30	GW40K-SDT-P30
Input							
Max. Input Voltage (V)				1100			1100 ^{*1}
MPPT Operating Voltage Range (V)	140 ~ 950	140 ~ 950	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	
Start-up Voltage (V)				160			
Nominal Input Voltage (V)				600			
Max. Input Current per MPPT (A)	40 / 40 / 40		42 / 42 / 32			40	
Max. Short Circuit Current per MPPT (A)	50 / 50 / 50		52.5 / 52.5 / 40			56	
Number of MPP Trackers	3	3	3	3	3	4	
Number of Strings per MPPT				2			
Output							
Nominal Output Power (W)	25000	30000	33000	36000	40000	40000	
Nominal Output Apparent Power (VA)	25000	30000	33000	36000	40000	40000	
Max. AC Active Power (W)	25000	30000	33000	36000	40000	40000	
Max. AC Apparent Power (VA)	25000	30000	33000	36000	40000	40000	
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)		180 ~ 280 (according to local standard)			180 ~ 280	
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50	50	50	50 / 60	
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	45 ~ 55 / 55 ~ 65	45 ~ 55	45 ~ 55	45 ~ 55	45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	37.9	45.5	50.1	54.6	60.7	60.6	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)						
Max. Total Harmonic Distortion	<3%						
Efficiency							
Max. Efficiency	98.7%	98.7%	98.6%	98.6%	98.6%	98.6%	
European Efficiency	98.3%	98.3%	97.8%	97.8%	97.8%	97.7%	
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	Type II	Type III (Type II Optional)			Type II	
AC Surge Protection	Type II	Type II	Type III (Type II Optional)			Type II	
AFCI				Optional			
Emergency Power Off	-	-	Optional	Optional	Optional	Optional	
Rapid Shutdown				Optional			
Remote Shutdown	Integrated	Integrated	Optional	Optional	Optional	Optional	
PID Recovery				Optional			
Power Supply at Night	Integrated	Integrated	Optional	Optional	Optional	Optional	
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)		RS485, WiFi + LAN + Bluetooth or 4G (Optional)			RS485, WiFi, LAN Bluetooth, 4G (Optional)	
Communication Protocols	Modbus TCP / RTU		Modbus TCP			Modbus TCP (Optional)	
Weight (kg)	<30	<30	28	28	28	31	
Dimension (W × H × D mm)				585 × 483 × 230			585 × 483 × 237
Noise Emission (dB)	<45	<45	45	45	45	<45	
Topology				Non-isolated			
Self-consumption at Night (W)				<1			
Ingress Protection Rating				IP66			
DC Connector				MC4 (Max. 4 ~ 6mm ²)			
AC Connector	OT terminal (Max. 25mm ²)		OT terminal (Max. 35mm ²)				

*1: When the input voltage is between 1000V and 1100V, the inverter will enter standby mode. When the voltage returns to 140V-1000V, the inverter will resume normal operation.

*: Please visit GoodWe website for the latest certificates.