GOODWE

SMT Series

25-36kW I 3 MPPTs I Three Phase

The new three MPP-Tracker inverters of the GoodWe SMT Series are ideal for commercial rooftop installations. The SMT product series achieves a higher maximum efficiency of 98.8% and features unique design highlights: solid capacitor, fuse free and optional AFCI function. These three new features ensure a longer life-span and a higher safety level of operation allowing for an improved user experience. With its weight of just 40 kg and compact design, the inverters of the SMT series are easy to handle. With a maximum DC input voltage of 1100V, wider MPPT range, and a start-up voltage of 180V, the SMT series guarantees an earlier generation of power and a longer working time in order to maximize long-term returns and profitability in safe operating conditions.





Fuse Free



98.8% max. Efficiency



Max. 15A input current per string



Up to 110% AC overloading



String level monitoring



Arc-fault circuit interrupter optional



Technical Data	GW25K-MT	GW29.9K-MT	GW36K-MT	
Input				
Max. Input Power (kW)	32.5	39.0	42.9	
Max. Input Voltage (V)		1100		
MPPT Operating Voltage Range (V)		200 ~ 950		
Start-up Voltage (V)		180		
Nominal Input Voltage (V)		600		
Max. Input Current per MPPT (A)		30		
Max. Short Circuit Current per MPPT (A)	37.5			
Number of MPP Trackers	3			
Number of Strings per MPPT		2		
Output				
Nominal Output Power (kW)	25.0	29.9	36.0 ^{*1}	
Nominal Output Apparent Power (kVA)	25.0	29.9	36.0 ^{*1}	
Max. AC Active Power (kW)	27.5 ^{*2}	29.9	36.0* ²	
Max. AC Apparent Power (kVA)	27.5 ^{*3}	29.9	36.0* ³	
Nominal Output Voltage (V)	400 ^{*4} , 3L / N / PE or 3L / PE	400, 3L / N / PE or 3L / PE	400 ^{*4} , 3L / N / PE or 3L / I	
Output Voltage Range (V)		320 ~ 460		
Nominal AC Grid Frequency (Hz)		50 / 60		
AC Grid Frequency Range (Hz)		47.5 ~ 51.5 / 57.0 ~ 61.8		
Max. Output Current (A)	40.0	43.3	53.3	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
Efficiency				
Max. Efficiency	98.7%	98.8%	98.8%	
European Efficiency	98.4%	98.5%	98.5%	
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	PV2 (Optional)			
DC Surge Protection	Type III (Type II Optional)			
AC Surge Protection	Type III (Type II Optional)			
AFCI	Optional			
PID Recovery		Optional		
General Data				
Operating Temperature Range (°C)	-30 ~ +60			
Relative Humidity	0 ~ 100%			
Max. Operating Altitude (m)	3000			
Cooling Method	Smart Fan Cooling			
User Interface	LED, LCD (Optional), WLAN + APP			
Communication	RS485, Wi-Fi or 4G or PLC (Optional) ^{*5}			
Communication protocols	Modbus-RTU (SunSpec Compliant)			
Weight (kg)	40.0			
Dimension (W × H × D mm)	480 x 590 x 200			
Topology	Non-isolated Non-isolated			
Self-consumption at Night (W)	<1			
Ingress Protection Rating	IP65			
DC Connector	MC4 (Max. 6mm²)			
AC Connector	OT / DT terminal (Max. 25mm²)			
Country of Manufacture		China		
		#5 E D 30		

^{*1: 33}kW for Italy,36kW for other country.
*2: For Brazil and Chile Max. AC Active Power (kW): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.

^{*3:} For Brazil and Chile Max. AC Apparent Power (kVA): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.

^{*4:} For Brazil Nominal Output Voltage(V): 220 / 380, 3L / N / PE or 3L / PE.

^{*5:} For Brazil Communication is RS485, WiFi, USB, PLC (Optional).

*: Please visit GoodWe website for the latest certificates.

*: Optional functions or devices are purchased separately.

*: All pictures shown are for reference only. Actual appearance may vary.

**: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.