

GOODWE

SMT Series

25-36kW | 3 MPPTs | 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



Up to 110% AC overloading



98.8% max. Efficiency



String level monitoring



Max. 15A input current per string



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 / PE
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 × 590 × 200	
Topology		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	

*1: 33kW 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, Wi-Fi, 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.