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

SMT Series

GOODWE

Technical Data	GW25K-MT	GW29.9K-MT	GW36K-MT
Input			
Max. Input Power (W)	32500	39000	42900
Max. Input Voltage (V)	1100	1100	1100
MPPT Operating Voltage Range (V)	200 ~ 950	200 ~ 950	200 ~ 950
Start-up Voltage (V)	180	180	180
Nominal Input Voltage (V)	600	600	600
Max. Input Current per MPPT (A)	30	30	30
Max. Short Circuit Current per MPPT (A)	37.5	37.5	37.5
Number of MPP Trackers	3	3	3
Number of Strings per MPPT	2	2	2
Output			
Nominal Output Power (W)	25000	29900	36000*1
Nominal Output Apparent Power (VA)	25000	29900	36000*1
Max. AC Active Power (W)	27500*2	29900	36000*2
Max. AC Apparent Power (VA)	27500*3	29900	36000*3
Nominal Output Voltage (V)		400, 3L / N / PE or 3L / PE*4	
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60
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%	<3%	<3%
Efficiency			
Max. Efficiency	98.7%	98.8%	98.8%
European Efficiency	98.4%	98.5%	98.5%
Protection			
PV String Current Monitoring	Integrated	Integrated	Integrated
PV Insulation Resistance Detection	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated
DC Switch	PV2 (Optional)	PV2 (Optional)	PV2 (Optional)
DC Surge Protection		Type III (Type II Optional)	
AC Surge Protection		Type III (Type II Optional)	
AFCI	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional
General Data			
Operating Temperature Range (°C)	-30 ~ +60	-30 ~ +60	-30 ~ +60
Relative Humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%
Max. Operating Altitude (m)	3000	3000	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	40.0	40.0
Dimension (W × H × D mm)	480 × 590 × 200	480 × 590 × 200	480 × 590 × 200
Topology	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65
DC Connector	MC4(Max. 6mm²)	MC4(Max. 6mm²)	MC4(Max. 6mm²)
AC Connector		OT / DT terminal (Max. 25 mm²)	
Country of Manufacture		China	

*: All pictures shown are for reference only. Actual appearance may vary.
*: Optional functions or devices are purchased separately.
*: Please visit GoodWe website for the latest certificates.
*1: 33kW for Italy,36kW for other country.
*2: For Belgium and Brazil-Max. Output Power (W): GW25K-MT is 25000; GW30K-MT is 30000; GW36K-MT is 36000.
*3: For Belgium and Brazil-Max. Output Apparent Power (VA): GW25K-MT is 25000; GW30K-MT is 30000; GW36K-MT is 36000.
*4: For Brazil-Nominal Output Voltage GW25K-MT is 380V; GW30K-MT is 380V; GW36K-MT is 380V.
*5: For Brazil-Communication is RS485, Wi-Fi, USB, PLC(Optional).