

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	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 (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
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 x H x D mm)	480 x 590 x 200	480 x 590 x 200	480 x 590 x 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. 6mm ²)	MC4(Max. 6mm ²)	MC4(Max. 6mm ²)
AC Connector	OT / DT terminal (Max. 25 mm ²)		
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 Brazil-Max. Output Power (kW): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.

*3: For Brazil-Max. Output Apparent Power (kVA): GW25K-MT is 25; GW30K-MT is 30; GW36K-MT is 36.

*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).