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 1100V, 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.



- 98.8% Max. Efficiency
- 130% DC input oversizing
- 110% AC output overloading
- Full-load running at 50°C
- String level monitoring
- Arc-fault circuit interrupter

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Technical Data	GW25K-MT	GW30K-MT	GW36K-MT
PV String Input Data			
Max. DC Input Voltage (V)	1100	1100	1100
MPPT Range (V)	200~950	200~950	200~950
Start-up Voltage (V)	180	180	180
Nominal DC Input Voltage (V)	600	600	600
Max. Input Current (A)	25	25	25
Max. Short Current (A)	31.3	31.3	31.3
Number of MPPTs	3	3	3
Number of Strings per MPPT	2	2	2
AC Output Data			
Nominal Output Power (W)	25000	30000	36000*1
Nominal Output Apparent Power (VA)	25000	30000	36000
Max. Output Power (W)	27500*2	33000*2	36000*2
Max. Output Apparent Power (VA)	27500*3	33000*3	36000*3
Nominal Output Voltage (V)	400, 3L / N / PE or 3L / PE		
Nominal Output Frequency (Hz)	50/60	50/60	50/60
Max. Output Current (A)	40	48	53.3
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<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
DC 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	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II Optional)	Type III (Type II Optional)	Type III (Type II Optional)
AC Surge Protection	Type III (Type II Optional)	Type III (Type II Optional)	Type III (Type II Optional)
AFCI	Optional	Optional	Optional
Rapid Shutdown	Optional	Optional	Optional
Anti-PID	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	Smart Fan Cooling	Smart Fan Cooling
Display	LED, (LCD Optional), WLAN+APP		
Communication	RS485, Wi-Fi or 4G or PLC(Optional)		
Communication protocols	Modbus-RTU (SunSpec Compliant)		
Weight (kg)	40.0	40.0	40.0
Dimension W×H×D (mm)	480 x 590 x 200	480 x 590 x 200	480 x 590 x 200
Noise Emission (dB)	<65	<65	<65
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.25mm^2)	OT/DT Terminal (Max.25mm^2)	OT/DT Terminal (Max.25mm^2)

*1: 33kW for Italy,36kW for other countries.
*2: For Belgium Max. Output Power (W): GW25K-MT is 25000; GW30K-MT is 30000; GW36K-MT is 36000.
*3: For Belgium Max. Output Apparent Power (VA): GW25K-MT is 25000; GW30K-MT is 30000; GW36K-MT is 36000.
*: Please visit GoodWe website for the latest certificates.

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