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

Full-load running at 50°C

130% DC input oversizing

String level monitoring

110% AC output overloading

Arc-fault circuit interrupter

SMT Series

GOODWE

Technical Data	GW25K-MT	GW30K-MT	GW36K-MT
PV String Input Data			
Max. DC Input Power (Wp)	32500	39000	42900
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	25 / 25 / 25	25 / 25 / 25
Max. Short Current (A)	31.3 / 31.3 / 31.3	31.3 / 31.3 / 31.3	31.3 / 31.3 / 31.3
Number of MPPTs	3	3	3
Number of Strings per MPPT	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2
AC Output Data			
Nominal Output Power (W)	25000	30000	36000[*1]
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			
Anti-islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
PV String Current Monitoring	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional
Insulation Resistor Detection	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II optional)		
AC Surge Protection	Type III (Type II optional)		
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
AFCI	Optional	Optional	Optional
Terminal Temperature Detection	Optional	Optional	Optional
General Data			
Operating Temperature Range (°C)	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤3000	≤3000	≤3000
Cooling Method	Fan Cooling	Fan Cooling	Fan Cooling
User Interface	LCD & LED or APP & LED		
Communication	RS485 / WiFi / GPRS / PLC		
Weight (Kg)	40	40	40
Size (Width × Height × Depth mm)	480 × 590 × 200	480 × 590 × 200	480 × 590 × 200
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless		

*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.