

# SMT Series

25-36kW | Three Phase | 3 MPPTs

The GoodWe SMT Series three-phase inverter is ideal for commercial rooftop system solutions. The SMT series achieves maximum efficiency of 98.8% and features unique design highlights, including solid capacitors, fuse-free design, and optional Arc Fault Circuit Interrupter (AFCI) function. These new features ensure a longer lifespan and a higher safety level of operation, allowing for an improved user experience. With a compact design and weight of just 40kg, the SMT series is more convenient to install. With a maximum DC input voltage of 1100V, a wider MPPT range for complex rooftops, and a start-up voltage of 180V, the SMT series guarantees an earlier generation of power and a longer working time to maximize long-term returns and profitability in safe operating conditions.



## Smart Control & Monitoring

- String level monitoring
- Dynamic power export limit



## Superb Safety & Reliability

- Optional Arc-fault circuit interrupter\*
- Optional Type II SPD on both DC and AC\*



## Optimal Generation for Higher Return

- 98.8% Max. Efficiency
- Up to 130% DC input oversizing & 110% AC output overloading



## Friendly & Thoughtful Design

- 40kg compact design
- Power line communication optional<sup>7</sup>

## SMT Series

GOODWE

Technical Data	GW25K-MT	GW29.9K-MT	GW30K-MT	GW36K-MT
<b>Input</b>				
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			
<b>Output</b>				
Nominal Output Power (kW)	25.0	29.9	30.0	36.0 <sup>1</sup>
Nominal Output Apparent Power (kVA)	25.0	29.9	30.0	36.0 <sup>1</sup>
Max. AC Active Power (kW)	27.5 <sup>2</sup>	29.9	33.0 <sup>2</sup>	36.0 <sup>2</sup>
Max. AC Apparent Power (kVA)	27.5 <sup>3</sup>	29.9	33.0 <sup>3</sup>	36.0 <sup>3</sup>
Nominal Output Voltage (V)	400 <sup>4</sup> , 3L / N / PE or 3L / PE	400, 3L / N / PE or 3L / PE	400 <sup>4</sup> , 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	48.0	53.3
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
<b>Efficiency</b>				
Max. Efficiency	98.7%	98.8%	98.8%	98.8%
European Efficiency	98.4%	98.5%	98.5%	98.5%
<b>Protection</b>				
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	Integrated <sup>5</sup>			
DC Surge Protection	Type III (Type II Optional)			
AC Surge Protection	Type III (Type II Optional)			
AFCI	Optional			
Emergency Power Off	Optional <sup>6</sup>			
Remote Shutdown	Optional			
PID Recovery	Optional			
<b>General Data</b>				
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, WiFi or 4G or PLC (Optional) <sup>7</sup>			
Communication Protocols	Modbus-RTU (SunSpec Compliant)			
Weight (kg)	40.0			
Dimension (W x H x D mm)	480 x 590 x 200			
Topology	Non-isolated			
Self-consumption at Night (W)	<1			
Ingress Protection Rating	IP65			
DC Connector	MC4 (Max. 6mm <sup>2</sup> )			
AC Connector	OT / DT Terminal (Max. 25mm <sup>2</sup> )			

\*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 is 380V, 3L / N / PE or 3L / PE.

\*5: For Australia DC Switch is PV2 (Integrated).

\*6: For Indian Emergency Power Off: Optional.

\*7: For Brazil Communication is RS485, WiFi, USB, PLC (Optional).

\*: Optional functions or devices are purchased separately.

\*: Please visit GoodWe website for the latest certificates.