

Compact and Powerful for Increased Efficiency

SMT Series

Three-MPPT, Three-Phase

- Compact and lightweight
- 30% DC input oversizing
- Up to 10% AC output overloading
- Wide MPPT range from 200 V to 950 V
- IP65 dustproof and waterproof



The brand new GoodWe SMT series inverter is ideal for medium and large-scale commercial rooftop installations, providing maximum efficiency of 98.8% and up to three MPPT routes for a particular environment. With its weight of just 40kg and compact design, the SMT series is easier to handle and install compared to similar inverters in the market. Featuring a maximum DC input voltage of 1100 V, wider MPPT range, and a start-up voltage of 180 V, the SMT series guarantees an earlier generation of power and a longer working time in order to maximize long-term returns and profitability for the system's owner.

Technical Data	GW25K-MT	GW30K-MT	GW36K-MT
DC Input Data			
Max. PV Power (W)	32500	39000	42900
Max. DC Input Voltage (V)	1100	1100	1100
MPPT Range (V)	200~950	200~950	200~950
Starting 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
No. of MPP Trackers	3	3	3
No. of Input Strings per Tracker	2/2/2	2/2/2	2/2/2
AC Output Data			
Nominal Output Power (W)	25000	30000* ¹	36000* ⁴
Max. Output Power (W)	27500	33000* ²	36000
Max. Output Apparent Power (VA)	27500	33000* ³	36000
Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE		
Nominal Ouput 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	98.70%	98.80%	98.80%
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 monitoring	Integrated	Integrated	Integrated
DC SPD Protection	Optional (Type II)	Optional (Type II)	Optional (Type II)
AC SPD Protection	Optional (Type II)	Optional (Type II)	Optional (Type II)
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Ambient Temperature Range (°C)	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤3000	≤3000	≤3000
Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Display	LCD & LED or APP & LED		
Communication	RS485 or WiFi or GPRS or PLC (LCD); WiFi+RS485 or GPRS+RS485 (APP)		
Weight (kg)	40	40	40
Dimension (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	Transformerles		
Certifications & Standards			
Grid Regulation	AS4777.2/VDE0126-1-1/VDE-AR-N 4105		
Safety Regulation	IEC62109-1&-2		
EMC Regulation	EN61000-6-1/EN61000-6-2/EN61000-6-3/EN61000-6-4		

^{*1}: 29.99kW for Australia, 30kW for other country

^{*2}: 29.99kW for Australia, 33kW for other country

^{*3}: 29.99kVA for Australia, 33kVA for other country

^{*4}: 33kW for Italy, 36kW for other country