Compact and Powerful for Increased Efficiency

SMT Series

Three-MPPT, Three-Phase

- 98.8% Max. Efficiency
- 30% DC input oversizing
- 10% AC output overloading
- String level monitoring
- Arc-fault circuit interrupter

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 easier to handle. With 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 in safe operating conditions.

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
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	36000[*1]
Max. Output Power (W)	27500	33000	36000
Max. Output Apparent Power (VA)	27500	33000	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	98.7%	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 monitoring	Integrated	Integrated	Integrated
DC SPD Protectioin	Type III (Type II optional)		
AC SPD Protectioin	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	Fan Cooling	Fan Cooling	Fan Cooling
User Interface	LCD & LED or APP & LED		
Communication	RS485 or WiFi or GPRS or 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 country.