

SMT Series Datasheet



Technical Data	GW25K-MT	GW29.9K-MT	GW36K-MT
PV String Input Data			
Max. DC Input Power (Wp)	33250	39900	47880
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	29900	36000*1
Max. Output Power (W)	27500	29900	36000
Max. Output Apparent Power (VA)	27500	29900	36000
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	43.3	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)	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)
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	Transformerless	Transformerless
Certifications & Standards			
Grid Regulation	AS4777.2/VDE0126-1-1/VDE-AR-N 4105	AS4777.2	AS4777.2/VDE0126-1-1/VDE-AR-N 4105
Safety Regulation	IEC62109-1&-2		
EMC	EN61000-6-1/ EN61000-6-2/ EN61000-6-3/ EN61000-6-4		

*1: 33kW for Italy,36kW for other country.