

SMT/LV SMT Series Datasheet



Technical Data	GW25K-MT	GW30K-MT	GW36K-MT	GW15KLV-MT	GW20KLV-MT
DC Input Data					
Max. PV Power (W)	32500	39000	42900	19500	26000
Max. DC Input Voltage (V)	1100	1100	1100	800	800
MPPT Range (V)	200~950	200~950	200~950	200~650	200~650
Starting Voltage (V)	180	180	180	200	200
Nominal DC Input Voltage (V)	600	600	600	370	370
Max. Input Current (A)	25/25/25	25/25/25	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	31.3/31.3/31.3/31.3	31.3/31.3/31.3/31.3
No. of MPP Trackers	3	3	3	3	3
No. of Input Strings per Tracker	2/2/2	2/2/2	2/2/2	2/2/2	2/2/2
AC Output Data					
Nominal Output Power (W)	25000	30000* ¹	36000* ⁴	15000	20000
Max. Output Power (W)	27500	33000* ²	36000	14400@208VAC	19200@208VAC
				15000@220VAC	20000@220VAC
				16600@240VAC	22000@240VAC
Max. Output Apparent Power (VA)	27500	33000* ³	36000	16600	22000
Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE			150-300	150-300
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	40	48	53.3	40	53.3
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.7%	98.8%	98.8%	98.7%	98.8%
European Efficiency	>98.4%	>98.5%	>98.5%	98.4%	98.5%
Protection					
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional	Optional	Optional
Insulation monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
DC SPD Protection	Optional (Type II)	Optional (Type II)	Optional (Type II)	Optional (Type II)	Optional (Type II)
AC SPD Protection	Optional (Type II)	Optional (Type II)	Optional (Type II)	Optional (Type II)	Optional (Type II)
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
General Data					
Ambient Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤3000	≤3000	≤3000	≤3000	≤3000
Cooling	Fan Cooling	Fan 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	39	39
Dimension (Width*Height*Depth mm)	480*590*200	480*590*200	480*590*200	480*590*200	480*590*200
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless
Certifications & Standards					
Grid Regulation	AS4777.2/VDE0126-1-1/VDE-AR-N 4105			-	-
Safety Regulation	IEC62109-1&-2			-	-
EMC Regulation	EN 61000-6-1/EN 61000-6-2/EN 61000-6-3/EN 61000-6-4			-	-

*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