

25~60K Series Product Specification

Technical Data	GW25K-MT	GW30K-MT	GW36K-MT	GW50KS-MT	GW60KS-MT
Input	Input	Input	Input	Input	Input
Max. Input Power (W)	32500	39000	42900	75000	90000
Max. Input Voltage (V)	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	200~950	200~950	200~950	200~950	200~950
MPPT Voltage Range at Nominal Power (V)	510~860	510~860	510~860	510~860	510~860
Start-up Voltage (V)	180	180	180	180	180
Nominal Input Voltage (V)	600	600	600	600	600
Max. Input Current per MPPT (A)	30	30	30	30	30
Max. Short Circuit Current per MPPT (A)	37.5	37.5	37.5	37.5	37.5
Number of MPP Trackers	3	3	3	5	6
Number of Strings per MPPT	2	2	2	2	2
Output	Output	Output	Output	Output	Output
Nominal Output Power (W)	25000	30000	36000 ¹	50000	60000
Nominal Output Apparent Power (VA)	25000	30000	36000 ¹	50000	60000
Max. AC Active Power (W)	27500 ²	33000 ²	36000	55000 ²	66000 ²
Max. AC Apparent Power (VA)	27500 ³	33000 ³	36000	55000 ³	66000 ³
Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE	400, 3L/N/PE or 3L/PE	400, 3L/N/PE or 3L/PE	400, 3L/N/PE or 3L/PE	400, 3L/N/PE or 3L/PE
Output Voltage Range (V)	320~460	320~460	320~460	320~460	320~460
Nominal AC Grid Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
AC Grid Frequency Range (Hz)	45~55/55~65	45~55/55~65	45~55/55~65	45~55/55~65	45~55/55~65
Max. Output Current (A)	40.0	48.0	53.3	80.0	96.0
Nominal Output Current (A)	36.1	43.3	52.0	72.2	86.6
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	~1 (Adjustable from 0.8 leading to 0.8 lagging)	~1 (Adjustable from 0.8 leading to 0.8 lagging)	~1 (Adjustable from 0.8 leading to 0.8 lagging)	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%
Efficiency	Efficiency	Efficiency	Efficiency	Efficiency	Efficiency
Max. Efficiency	98.7%	98.8%	98.8%	98.6%	98.6%
European Efficiency	98.4%	98.5%	98.5%	98.1%	98.1%
Protection	Protection	Protection	Protection	Protection	Protection
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Internal Humidity Monitoring	NA	NA	NA	Integrated	Integrated
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type II	Type II	Type II	Type II	Type II
AC Surge Protection	Type II	Type II	Type II	Type II	Type II
AFCI	Optional	Optional	Optional	Optional	Optional
Remote Shutdown	Optional	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional	Optional
General Data	General Data	General Data	General Data	General Data	General Data
Operating 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%
Max. Operating Altitude (m)	3000	3000	3000	4000 (>3000 derating)	4000 (>3000 derating)
Cooling Method	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling
User Interface	LED, WLAN+APP	LED, WLAN+APP	LED, WLAN+APP	LED, WLAN+APP	LED, WLAN+APP
Communication	RS485, WiFi or 4G(Optional)	RS485, WiFi or 4G(Optional)	RS485, WiFi or 4G(Optional)	RS485, WiFi or 4G(Optional)	RS485, WiFi or 4G(Optional)
Communication Protocols	Modbus-RTU (SunSpec Compliant)	Modbus-RTU (SunSpec Compliant)	Modbus-RTU (SunSpec Compliant)	Modbus-RTU (SunSpec Compliant)	Modbus-RTU (SunSpec Compliant)
Weight (kg)	40.0	40.0	40.0	55.0	55.0
Dimension (W×H×D mm)	480 x 590 x 200	480 x 590 x 200	480 x 590 x 200	520 x 660 x 220	520 x 660 x 220
Noise Emission (dB)	<60	<60	<60	<65	<65
Topology	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65
Anti-corrosion Class	C4	C4	C4	C4	C4
DC Connector	MC4(4~6mm ²)	MC4(4~6mm ²)	MC4(4~6mm ²)	MC4(4~6mm ²)	MC4(4~6mm ²)
AC Connector	OT/DT Terminal (Max.25mm ²)	OT/DT Terminal (Max.25mm ²)	OT/DT Terminal (Max.25mm ²)	OT/DT Terminal (Max.50mm ²)	OT/DT Terminal (Max.50mm ²)
Environmental Category	4K4H	4K4H	4K4H	4K4H	4K4H
Pollution Degree	III	III	III	III	III
Overvoltage Category	DC II / AC III	DC II / AC III	DC II / AC III	DC II / AC III	DC II / AC III
Protective Class	I	I	I	I	I
The Decisive Voltage Class (DVC)	PV: C AC: C com: A	PV: C AC: C com: A	PV: C AC: C com: A	PV: C AC: C com: A	PV: C AC: C com: A
Active Anti-islanding Method	AQDPF	AQDPF	AQDPF	AQDPF	AQDPF
Country of Manufacture	China	China	China	China	China

*1: For Italy is 33kW/kVA, For other country is 36kW/kVA.

*2: For Belgium Max. AC Active Power (W): GW25K-MT is 25000; GW30K-MT is 30000; GW50KS-MT is 50000; GW60KS-MT is 60000.

*3: For Belgium Max. AC Apparent Power (VA): GW25K-MT is 25000; GW30K-MT is 30000; GW50KS-MT is 50000; GW60KS-MT is 60000