

MT Series Datasheet



Technical Data	GW60KBF-MT	GW80KBF-MT	GW70KHV-MT	GW80KHV-MT	GW80K-MT
DC Input Data					
Max. PV Power (W)	80000	104000	91000	120000	120000
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100
MPPT Range (V)	200~1000	200~1000	200~1000	200~1000	200~1000
Starting Voltage (V)	200	200	200	200	200
Nominal DC Input Voltage (V)	620	800	750	800	620
Max. Input Current (A)	44/44/44/44	39/39/39/39	33/33/33/33	44/44/44/44	44/44/44/44
Max. Short Current (A)	55/55/55/55	54.8/54.8/54.8/54.8	41.5/41.5/41.5/41.5	55/55/55/55	55/55/55/55
No. of MPP Trackers	4	4	4	4	4
No. of Input Strings per Tracker	3/3/3/3	3/3/3/3	3/3/3/3	4/4/4/4	4/4/4/4, Standard, or 3/3/3/3, Optional, Support bifacial module,
AC Output Data					
Nominal Output Power (W)	60000	80000	70000	80000	80000
Max. Output Power (W)	66000;69000@415Vac	88000	77000	88000	92000@400Vac;96000@415Vac
Max. Output Apparent Power (VA)	66000;69000@415Vac	88000	77000	88000	92000@400Vac;96000@415Vac
Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE	540, 3L/PE	500, 3L/PE	540, 3L/PE	400, default 3L+N+PE, 3L+PE optional in settings
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	96	94.1	89	94.1	133
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	98.8%	99.0%	99.0%	99.0%	98.8%
European Efficiency	98.3%	98.4%	98.4%	98.4%	98.3%
Protection					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
DC fuse	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional	Optional	Optional
DC SPD Protection	Integrated (Type II)				
AC SPD Protection	Integrated (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
Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional
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)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Display	LED, WiFi+APP	LED, WiFi+APP	LCD WiFi+APP	LED, WiFi+APP	LED, WiFi+APP
Communication	RS485 or WiFi or PLC	RS485 & PLC	RS485 or WiFi or PLC	RS485 & PLC	RS485&WiFi, PLC (Optional)
Weight (kg)	65kg	65kg	60kg	65kg	70kg
Dimension (Width*Height*Depth mm)	586*788*264	586*788*264	586*788*264	586*788*267	586*788*267
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				
Certifications & Standards					
Grid Regulation	IEC61727, IEC62116, VDE4105, VDE0126, RD1699, RD413, RD661, EN50438			VDE-AR-N 4105, IEC61727, IEC62116	
Safety Regulation	IEC62109-1&-2				
EMC Regulation	EN6100-6-4:2007+A1:2011, EN61000-6-2:2005, EN61000-3-11:2000, EN61000-3-12:2011+AC:2013			EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	