

Boost Your Power & Profit

MT Series G2

4 MPPT 3 Phase Grid-tied Inverter

50kW / 60kW



The second generation of GoodWe MT series inverter is suitable for medium and large scale commercial rooftops and ground-mounted solar PV systems where maximum versatility and profitability are important. With its compact design and power boost function, the GoodWe MT G2 series can provide a 15% continuous maximum AC output power overload, thus offering a faster return on investment.



30% DC Input Oversizing Ratio



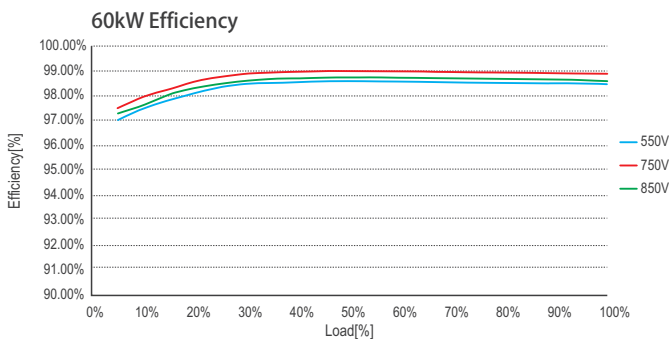
Power Line Communication



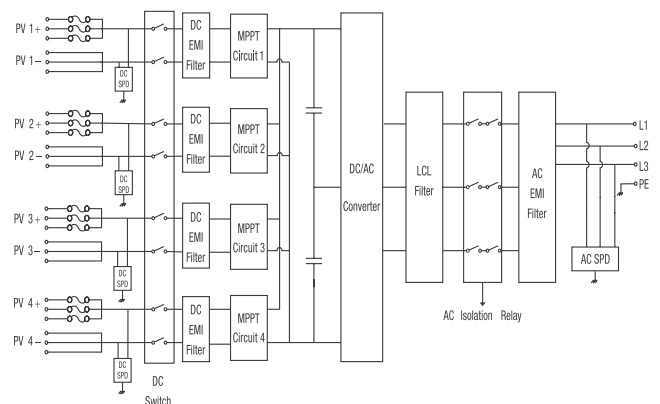
15% AC Output Overloading Ratio



Arc-Fault Circuit-Interrupter



GW60KHV-MT Circuit Diagram



Technical Data		GW50K-MT	GW60K-MT	GW50KN-MT	GW60KN-MT
DC Input Data	Max. PV Power (W)	65000	80000	65000	80000
	Max. DC Input Voltage (V)	1000	1000	1100	1100
	MPPT Range (V)	200~850	200~850	200~1000	200~1000
	Starting Voltage (V)	200	200	200	200
	Nominal DC Input Voltage (V)	620	620	620	620
	Max. Input Current (A)	30/30/20/20	30/30/30/30	33/33/22/22	33/33/33/33
	Max. Short Current (A)	38/38/25/25	38/38/38/38	41.5/41.5/27.5/27.5	41.5/41.5/41.5/41.5
	No. of MPP Trackers	4	4	4	4
	No. of Input Strings per Tracker	3/3/2/2	3/3/3/3	3/3/2/2	3/3/3/3
AC Output Data	Nominal Output Power (W)	50000	60000	50000	60000
	Max. Output Power (W)	55000;57500 @415Vac	66000;69000 @415Vac	55000;57500 @415Vac	66000;69000 @415Vac
	Max. Output Apparent Power (VA)	55000;57500 @415Vac	66000;69000 @415Vac	55000;57500 @415Vac	66000;69000 @415Vac
	Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE			
	Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60
	Max. Output Current (A)	80	96	80	96
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
	Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%
	Efficiency	Max. Efficiency	98.7%	98.8%	98.7%
European Efficiency		98.3%	98.5%	98.3%	98.5%
Protection	PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated
	Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated
	Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated
	Insulation monitoring	Integrated	Integrated	Integrated	Integrated
	DC fuse	Integrated	Integrated	Integrated	Integrated
	Anti-PID Function for Module	Optional	Optional	Optional	Optional
	DC SPD Protection	Integrated (Type II)			
	AC SPD Protection	Integrated (Type II)			
	Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated
	AC Over Current Protection	Integrated	Integrated	Integrated	Integrated
	AC Short Protection	Integrated	Integrated	Integrated	Integrated
	AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated
Humidity Monitoring	NA	NA	Optional	Optional	
General Data	Ambient Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60
	Relative Humidity	0~100%	0~100%	0~100%	0~100%
	Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000
	Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling
	Display	LCD or WiFi+APP			
	Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi or PLC	RS485 or WiFi or PLC
	Weight (kg)	59	64	59	64
	Dimension (Width*Height*Depth mm)	586*788*264	586*788*264	586*788*264	586*788*264
	Protection Degree	IP65	IP65	IP65	IP65
	Night Self Consumption (W)	<1	<1	<1	<1
	Topology	Transformerless			
Certifications & Standards	Grid Regulation	IEC61727, IEC62116, IEC60068, IEC61683, EN50530, EN50438+, VDE0126-1-1/A1, VDE-AR-N 4105 RD1699, RD661, RD413, UNE, AS/NZS 4777.2, DRRG/DEWA, NRS 097, G99		IEC61727, IEC62116, VDE4105, VDE0126, RD1699, RD413, RD661, EN50438, AS/NZS 4777.2, NRS 097, CEI 0-21, ERDF-NOI-RES_13E	IEC61727, IEC62116, VDE4105, VDE0126, RD1699, RD413, RD661, EN50438, AS/NZS 4777.2, NRS 097, CEI 0-21, ERDF-NOI-RES_13E, MEA, PEA
	Safety Regulation	IEC62109-1&-2			
	EMC	EN6100-6-4:2007+A1:2011, EN61000-6-2:2005, EN61000-3-11:2000, EN61000-3-12:2011+AC:2013			