



MT Series G2 (Four-MPPT, Three-Phase)

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. By using the MT G2 series string inverters, customers can benefit from faster installation and minimal system downtime due to short replacement lead time and ease of servicing.

- 30% DC input overloading ratio
- 15% AC output overloading ratio
- Smart monitoring for 13 strings
- Integrated DC & AC type II SPD
- High resolution auto LCD display
- IP65 dustproof and waterproof with IP68 rated cooling fan
- Full-load running at 50°C
- Integrated Bussman fuse for panel protection

Technical Data

	GW50K-MT	GW60K-MT
DC Input Data		
Max. PV Power [W]	65000	80000
Nominal DC Power [W]	51500	62000
Max. DC voltage [V]	1000	1000
MPPT voltage range [V]	200~850	200~850
MPPT voltage range of full load [V]	520~850	520~850
Nominal DC Voltage	620	620
Starting Voltage [V]	200	200
Max. DC Current [A]	30/30/20/20	30/30/30/30
Max. Short Current [A]	37.5/37.5/25/25	37.5/37.5/37.5/37.5
No. of DC Connectors	10(3/3/2/2)	12(3/3/3/3)
No. of MPPT	4	4
DC Connector	MC4/Phoenix/Amphenol	MC4/Phoenix/Amphenol
AC Output Data		
Normal AC Power [W]	50000	60000
Max. AC Power [W]	55000@400Vac,57500@415Vac	66000@400Vac,69000@415Vac
Max. AC Apparent Power [W]	55000@400Vac,57500@415Vac	66000@400Vac,69000@415Vac
Max. AC Current [A]	80	96
Normal AC Output	50/60Hz; 400Vac	50/60Hz; 400Vac
AC Output Range	45~55Hz/55~65Hz;310~480Vac	45~55Hz/55~65Hz;310~480Vac
THDi	<3%	<3%
Power Factor	~1(Adjustable from 0.80leading to 0.80lagging)	
Grid Connection	3L/N/PE	3L/N/PE
Efficiency		
Max. Efficiency	98.7%	98.8%
Euro Efficiency	98.3%	98.5%
MPPT Adaptation Efficiency	99.9%	99.9%
Protection		
Residual Current Monitoring Unit	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated
Pv Array String Fault Monitoring	Integrated	Integrated
DC Fuse	Integrated	Integrated
DC Switch	Integrated(optional)	Integrated(optional)
DC SPD	Type II	Type II
AC SPD	Type II	Type II
SPD Fault Monitoring	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated
Insulation Monitoring	Integrated	Integrated
General Data		
Dimensions (WxHxD)	586*788*264mm	586*788*264mm
Weight (kg)	59	64
Mounting	Wall bracket	Wall bracket
Ambient Temperature Range	-30~60°C	-30~60°C
Relative Humidity	0~100%	0~100%
Operating Altitude(m)	≤4000	≤4000
Protection Degree	IP65	IP65
Topology	Transformerless	Transformerless
Cooling	Fan cooling	Fan cooling
Display	LCD	LCD
Communication	RS485; WiFi	RS485; WiFi
Standard Warranty(years)	5/10/15/20/25(optional)	5/10/15/20/25(optional)
Certifications & Standards		
Grid Regulation	VDE0126-1-1, AS4777.2, G59/3, VDE-AR-N 4105, EN50438, EC61727, IEC62116, PV502	
Safety	EN62109-1&-2	
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4	