


Boost Your Power & Profit



-  **DC**
30% DC Input
Oversizing Ratio
-  **AC**
15% AC Output
Overloading Ratio
-  **Max**
Full-load Running
at 50°C
-  **20% More Compact**

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.

Technical Data

Model	Max. PV Power [W]	Nominal DC Power [W]	Max. DC Current [A]	Max. Short Current [A]	No. of DC Connectors	Normal AC Power [W]	Max. AC Current [A]
GW50K-MT	65000	51500	30/30/20/20	38/38/25/25	10(3/3/2/2)	50000	80
GW60K-MT	80000	62000	30/30/30/30	38/38/38/38	12(3/3/3/3)	60000	96

Model	Max. AC Power [W]	Max. AC Apparent Power [W]	Max. Efficiency	Euro Efficiency	Dimensions (WxHxD)	Weight (kg)
GW50K-MT	55000@400Vac,57500@415Vac	55000@400Vac,57500@415Vac	98.7%	98.3%	586*788*264mm	59
GW60K-MT	66000@400Vac,69000@415Vac	66000@400Vac,69000@415Vac	98.8%	98.5%	586*788*264mm	64

DC Input Data	
Max. DC Voltage [V]	1000
MPPT Voltage Range [V]	200~850
MPPT Voltage Range of Full Load [V]	520~850
Nominal DC Voltage	620
Starting Voltage [V]	200
No. of MPP Trackers	4
DC Connector	MC4/Phoenix/Amphenol

AC Output Data	
Normal AC Output	50/60Hz; 400Vac
AC Output Range	45~55Hz/55~65Hz;310~480Vac
THDi	<3%
Power Factor	~1(Adjustable from 0.8 leading to 0.8 lagging)
Grid Connection	3L/N/PE

Protection	
Residual Current Monitoring Unit	Integrated
Anti-islanding Protection	Integrated
Pv Array String Fault Monitoring	Integrated
DC Fuse	Integrated
DC Switch	Integrated(optional)
DC SPD	Type II
AC SPD	Type II
SPD Fault Monitoring	Integrated
AC Over Current Protection	Integrated
Insulation Monitoring	Integrated

General Data	
Mounting	Wall bracket
Ambient Temperature Range	-30~60°C
Relative Humidity	0~100%
Operating Altitude(m)	≤4000
Protection Degree	IP65
Topology	Transformerless
Cooling	Fan cooling
Display	LCD
Communication	RS485; WiFi
Standard Warranty(years)	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

