

Boost Your Power & Profit





MT Series G2

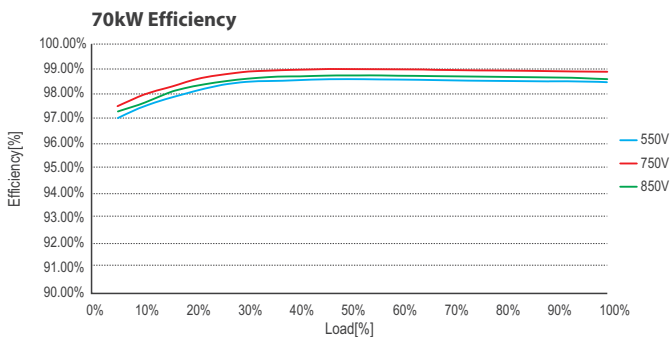
4 MPPT 3 Phase Grid-tied Inverter

50kW / 60kW / 70kW

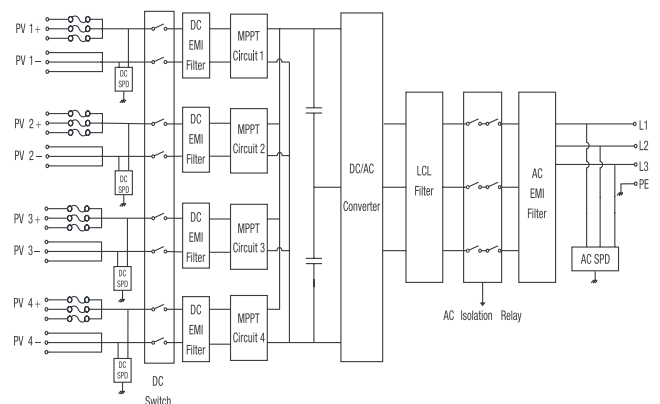
The second generation of GoodWe MT series inverter is suitable for medium and large scale commercial rooftops and ground-mounted solar PV systems where maximum versatility and profitability are important. With its compact design and power boost function, the GoodWe MT G2 series can provide a 15% continuous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



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



GW70KHV-MT Circuit Diagram



Technical Data

GW50K-MT

GW60K-MT

GW70KHV-MT

| | GW50K-MT | GW60K-MT | GW70KHV-MT | |
|---------------------------------------|-----------------------------------|--|-----------------------|------------------------------|
| PV String Input Data | Max. PV Power (W) | 65000 | 80000 | 87500 |
| | Max. DC Input Voltage (V) | 1000 | 1000 | 1100 |
| | MPPT Range (V) | 200~850 | 200~850 | 200~1000 |
| | Start-up Voltage (V) | 200 | 200 | 200 |
| | MPPT Range for Full Load (V) | 520~850 | 520~850 | 550~850 |
| | Nominal DC Input Voltage (V) | 620 | 620 | 750 |
| | Max. Input Current (A) | 30/30/20/20 | 30/30/30/30 | 33/33/33/33 |
| | Max. Short Current (A) | 38/38/25/25 | 38/38/38/38 | 41.5/41.5/41.5/41.5 |
| | No. of MPP Trackers | 4 | 4 | 4 |
| | No. of Input Strings per Tracker | 3/3/2/2 | 3/3/3/3 | 3/3/3/3 |
| AC Output Data | Nominal Output Power (W) | 50000 | 60000 | 70000 |
| | Max. Output Power (W) | 55000, 57500@415Vac | 66000, 69000@415Vac | 77000 |
| | Max. Output Apparent Power (VA) | 55000, 57500@415Vac | 66000, 69000@415Vac | 77000 |
| | Nominal Output Voltage (V) | 400, 3L/N/PE or 3L/PE | 400, 3L/N/PE or 3L/PE | 500, 3L/PE |
| | Nominal Output Frequency (Hz) | 50/60 | 50/60 | 50/60 |
| | Max. Output Current (A) | 80 | 96 | 89 |
| | Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | |
| Output THDi (@Nominal Output) | <3% | <3% | <3% | |
| Efficiency | Max. Efficiency | 98.7% | 98.8% | 99.0% |
| | Euro Efficiency | 98.3% | 98.5% | 98.4% |
| Protection | PV String Current Monitoring | Integrated | Integrated | Integrated |
| | Anti-islanding Protection | Integrated | Integrated | Integrated |
| | Input Reverse Polarity Protection | Integrated | Integrated | Integrated |
| | Insulation Monitoring | Integrated | Integrated | Integrated |
| | DC fuse | Integrated | Integrated | Integrated |
| | Anti-PID Function for Module | Optional | Optional | Optional |
| | DC SPD Protection | Integrated(Type II) | Integrated(Type II) | Integrated (Type II) |
| | AC SPD Protection | Integrated(Type II) | Integrated(Type II) | Integrated (Type II) |
| | Residual Current Monitoring Unit | Integrated | Integrated | Integrated |
| | AC Over Current Protection | Integrated | Integrated | Integrated |
| | AC Short Protection | Integrated | Integrated | Integrated |
| AC Over Voltage Protection | Integrated | Integrated | Integrated | |
| General Data | Operating Temperature Range (°C) | -30~60 | -30~60 | -30~60 |
| | Relative Humidity | 0~100% | 0~100% | 0~100% |
| | Operating Altitude (m) | ≤4000 | ≤4000 | ≤4000 |
| | Cooling | Fan Cooling | Fan Cooling | Fan Cooling |
| | Display | LCD or WiFi+APP | LCD or WiFi+APP | LED, WiFi+APP, LCD(Optional) |
| | Communication | RS485 or WiFi | RS485 or WiFi | RS485 ; WiFi; PLC(optional) |
| | Weight (kg) | 59 | 64 | 60 |
| | Size (Width*Height*Depth mm) | 586*788*264 | 586*788*264 | 586*788*264 |
| | Protection Degree | IP65 | IP65 | IP65 |
| | Night Self Consumption (W) | <1 | <1 | <1 |
| | Topology | Transformerless | Transformerless | Transformerless |
| Certifications & Standards | Grid Regulation | VDE V 0126-1-1, VDE-AR-N 4105 AS/NZS 4777.2, EN50438,G59, IEC61727, IEC62116 | | |
| | Safety Regulation | EN62109-1&-2 | | |
| | EMC | EN 6100-6-4, 2007+A1:2011, EN 61000-6-2:2005, EN 61000-3-11:2000, EN 61000-3-12:2011+AC:2013 | | |