GOODWE

MIS G2 Series (4-in-1)

1600-2250W I Single Phase I 4MPPTs Micro Inverter

The MIS G2 series is a high-performance microinverter solution engineered for maximum energy harvest and long-term reliability. Featuring a compact architecture and advanced Wi-Fi Mesh networking, it eliminates the need for external gateways while simplifying installation. With an industry-leading 15-year warranty and a 50°C full-power threshold, the MIS G2 is the ideal choice for secure and scalable solar investments in both residential and small commercial applications.



Optimized Performance

- 12V ultra-low startup voltage
- Max. 20A DC input current
- Full power output up to 50°C
- <20dB whisper-quiet operation

Superb Safety & Reliability

- IP67 & C4M-certified protection
- 15-year standard warranty

Smart Control & Monitoring

- Wi-Fi mesh connection for up to 25 units
- Wireless zero export without gateway
- Network-free shutdown capability
- Second-level monitoring via SEMS + app

Flexible & Adaptable Applications

- 30% lighter design for solo installation
- Plug and play connectors for easy installation
- Compact architecture optimized for multi-angle rooftops

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Technical Data	GW1.6K-MIS-G20	GW1.8K-MIS-G20	GW2K-MIS-G20	GW2.25K-MIS-G20
PV Side				
Max. Input Voltage (V)*1	60			
MPPT Operating Voltage Range (V)*2	12 ~ 60			
Start-up Voltage (V)	15			
Nominal Input Voltage (V)	42			
Max. Input Current per MPPT (A)	20 / 20 / 20 / 20			
Max. Short Circuit Current per MPPT (A)	26 / 26 / 26 / 26			
Number of MPP Trackers	4			
Number of Strings per MPPT	1			
AC Side (On-Grid)				
Rated Power (kW)	1.6	1.8	2	2.25
Max. Power (kW)	1.6	1.8	2	2.25
Rated Apparent Power (kVA)	1.6	1.8	2	2.25
Max. Apparent Power (kVA)	1.6	1.8	2	2.25
Nominal Voltage (V)	220 / 230 / 240, L / N / PE			
Voltage Range (V)	176 ~ 286 (According to local standard)			
Nominal Frequency (Hz)	50 / 60			
Frequency Range (Hz)	45 ~ 55 / 55 ~ 65			
Rated Output Current (A)	7.3 @ 220V 7.0 @ 230V 6.7 @ 240V	8.2 @ 220V 7.8 @ 230V 7.5 @ 240V	9.1 @ 220V 8.7 @ 230V 8.3 @ 240V	10.2 @ 220V 9.8 @ 230V 9.4 @ 240V
Max. Output Current (A)	7.3 @ 220V 7.0 @ 230V 6.7 @ 240V	8.2 @ 220V 7.8 @ 230V 7.5 @ 240V	9.1 @ 220V 8.7 @ 230V 8.3 @ 240V	10.2 @ 220V 9.8 @ 230V 9.4 @ 240V
THDi	<3%			
Max. Units Per 4mm^2 Branch*3	4	3	3	2
Max. Units Per 6mm^2 Branch*3	5	4	4	3
Efficiency				
Max. Efficiency	96.0%			
European Efficiency	95.0%			
MPPT Efficiency	99.8%			
Protection				
PV String Current Monitoring	Integrated			
PV Insulation Resistance Detection	Integrated			
PV Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
AC Surge Protection	Type III			
Rapid Shutdown	Integrated			
General Data				
Operating Temperature Range (°C)	- 40 ~ +65 (>50 derating)			
Power Factor	0.8 leading ~ 0.8 lagging			
Relative Humidity	0 ~ 100%			
Max. Operating Altitude (m)	2000			
Cooling Method	Natural Convection			
User Interface	LED, APP			
Communication	WiFi, Bluetooth			
Communication Protocols	Modbus			
Weight (kg)	≤5.1			
Dimension (W × H × D mm)	318 × 226 × 37.5			
Noise Emission (dB)	≤20			
Ingress Protection Rating	IP67			
Anti-corrosion Class	C4M			
Mounting Method	Wall Mounted			

*1: When the input voltage exceed 65V, the inverter will enter the standby mode, and the voltage returns to 63V to enter the normal operation state.
*2: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.
*3: Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.
*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.

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