

GOODWE

MIS G2 Series (4-in-1)

1600-2500W | Single Phase | 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



Superb Safety & Reliability

- <20dB whisper-quiet operation
- 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

Technical Data	GW1.6K- MIS-G20	GW1.8K- MIS-G20	GW1.875K- MIS-G20	GW2K- MIS-G20	GW2.25K- MIS-G20	GW2.5K- 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 ³					
Number of MPP Trackers	4					
Number of Strings per MPPT	1					
AC Side (On-Grid)						
Rated Power (kW)	1.6	1.8	1.875	2.0	2.25	2.5
Max. Power (kW)	1.6	1.8	1.875	2.0	2.25	2.5
Rated Apparent Power (kVA)	1.6	1.8	1.875	2.0	2.25	2.5
Max. Apparent Power (kVA)	1.6	1.8	1.875	2.0	2.25	2.5
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	8.2 @ 220V	8.5 @ 220V	9.1 @ 220V	10.2 @ 220V	11.4 @ 220V
	7.0 @ 230V	7.8 @ 230V	8.2 @ 230V	8.7 @ 230V	9.8 @ 230V	10.9 @ 230V
Max. Output Current (A)	6.7 @ 240V	7.5 @ 240V	7.8 @ 240V	8.3 @ 240V	9.4 @ 240V	10.4 @ 240V
	7.3 @ 220V	8.2 @ 220V	8.5 @ 220V	9.1 @ 220V	10.2 @ 220V	11.4 @ 220V
THDi	7.0 @ 230V	7.8 @ 230V	8.2 @ 230V	8.7 @ 230V	9.8 @ 230V	10.9 @ 230V
	6.7 @ 240V	7.5 @ 240V	7.8 @ 240V	8.3 @ 240V	9.4 @ 240V	10.4 @ 240V
Max. Units Per 4mm ² Branch ⁴	4	3	3	3	2	2
Max. Units Per 6mm ² Branch ⁴	5	4	4	4	3	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: The Brazilian version is 20/20/20/20A

*4: 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.