

## MIS Series 1.6-2kW | Single Phase | Microinverter

GoodWe's MIS Series microinverter is an ideal solution for residential and small commercial settings. Designed to work seamlessly with solar panels, each microinverter is paired with four panels, enabling individual panel tracking. The MIS Series microinverter is equipped with built-in WiFi and Bluetooth for easy setup and maintenance. Furthermore, it elevates monitoring and communication capabilities, empowering users to monitor each panel's performance in real time and identify any issues or inefficiencies. With GoodWe MIS, you will be able to maximize energy production and reduce energy losses, while also enhancing safety.



### Friendly & Thoughtful Design

- 4-in-1 design for multi-angle rooftop
- Plug & play installation, easy to install



### Superb Safety & Reliability

- AC protection relay integrated
- Max. DC voltage 60V, eliminating high DC voltage risks
- IP67 ingress protection



### Smart Control & Monitoring

- Module-level monitoring
- Wi-Fi mesh networking
- Smart monitoring platform for easier O&M



### Optimal Performance

- 4 MPP trackers, module-level MPPT
- Compatible with high-power modules
- 22V startup voltage

Technical Data	GW1600-MIS	GW1800-MIS	GW2000-MIS
<b>Input</b>			
Commonly Used Module Power (W)	320 to 535+	360 to 600+	400 to 670+
Max. Input Voltage (V)		65	
MPPT Operating Voltage Range (V)		16~60	
Start-up Voltage (V)		22	
Max. Input Current (A)		4 × 16	
Max. Input Short Circuit Current (A)		4 × 25	
Number of MPP Trackers		4	
Number of Inputs per MPPT		1	
<b>Output</b>			
Max. Continuous Output Power (VA)	1600	1800	2000
Nominal Output Voltage (V)		1 / N / PE, 220 / 230 / 240	
Output Voltage Range (V) <sup>1</sup>		180 ~ 275	
Nominal Output Frequency (Hz)		50 / 60	
AC Grid Frequency Range (Hz) <sup>1</sup>		50 / 60 ±5	
Max. Continuous Output Current (A)	7.27@220V 6.96@230V 6.67@240V	8.18@220V 7.83@230V 7.50@240V	9.09@220V 8.70@230V 8.33@240V
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
Max. Units Per 4mm <sup>2</sup> Branch <sup>2</sup>	2		
Max. Units Per 6mm <sup>2</sup> Branch <sup>2</sup>	4		
<b>Efficiency</b>			
Max. Efficiency	96.4%		
Nominal MPPT Efficiency	99.8%		
Night Power Consumption (W)	0.05		
<b>General Data</b>			
Operating Temperature Range (°C) <sup>3</sup>	-40 ~ +65		
Derating temperature (°C)	45		
Storage Temperature (°C)	-40 ~ +85		
Cooling Method	Natural convection		
Weight (kg)	6		
Dimensions (W × H × D mm)	330.5 × 266.7 × 42.5		
Ingress Protection Rating	IP67		
DC Connector	Staubli MC4		
<b>Features</b>			
Communication	Built-in Wi-Fi and Bluetooth		
Topology	Galvanically Isolated HF Transformer		
Monitoring	SEMS		
Protection	PV Insulation Resistance Detection, PV Reverse Polarity Protection, Anti-islanding Protection, AC Overcurrent Protection, AC Short Circuit Protection, AC Overvoltage Protection, Type III AC Surge Arrester		
Warranty	12 Years Standard; 25 Years Optional		
Compliance	EN 62109-1:2010, EN 62109-2:2011, IEC 62109-1:2010, IEC 62109-2:2011, UTE C15-712-1:2013, DIN VDE 0126-1-1:2013, ENIEC 61000-6-3:2021, EN 61000-6-3:2007+A1:2011+AC:2012, ENIEC 61000-6-4:2019, EN 61000-6-4:2007+A1:2011, AS/NZS 61000.6.3:2012, AS/NZS 61000.6.4:2020, BS EN IEC 61000-6-3:2021, BS EN 61000-6-3:2007+A1:2011, BS ENIEC 61000-6-4:2019, BS EN 61000-6-4:2007+A1:2011, EN 61000-2-2:2002+A2:2019, IEC 61000-2-2:2018(ed.2.2), EN IEC 61000-6-1:2019, EN 61000-6-1:2007, EN IEC 61000-6-2:2019, EN 61000-6-2:2005+AC:2005, BS ENIEC 61000-6-1:2019, BS EN IEC 61000-6-2:2019		

<sup>1</sup>: Nominal voltage/frequency range can be extended beyond nominal if required by the utility.  
<sup>2</sup>: Limits may vary. Refer to local requirements to define the number of micro inverters per branch in your area.  
<sup>3</sup>: The inverter may enter to power de-grade mode under poor ventilation and heat dissipation installation environment.  
 \*: Please visit GoodWe website for the latest certificates.  
 \*: All pictures shown are for reference only. Actual appearance may vary.

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