

GOODWE

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
Input				
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	
Output				
Max. Continuous Output Power (VA)		1600	1800	2000
Nominal Output Voltage (V)		1 / N / PE, 220 / 230 / 240		
Output Voltage Range (V) ^{*1}		180 ~ 275		
Nominal Output Frequency (Hz)		50 / 60		
AC Grid Frequency Range (Hz) ^{*1}		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 ² Branch ^{*2}		2		
Max. Units Per 6mm ² Branch ^{*2}		4		
Efficiency				
Max. Efficiency		96.4%		
Nominal MPPT Efficiency		99.8%		
Night Power Consumption (W)		0.05		
General Data				
Operating Temperature Range (°C) ^{*3}		-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		
Features				
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		

*1: Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

*2: Limits may vary. Refer to local requirements to define the number of micro inverters per branch in your area.

*3: 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.