SINGLE-PHASE MICROINVERTER

The Hoymiles MIS-2000/2250/2500-W series microinverters are designed to maximize energy harvest from high-power PV modules, delivering up to 97.5% peak efficiency and supporting modules up to 800W+. It supports hassle-free plug-and-play installation, greatly reducing system costs and installation time. Additionally, its built-in Wi-Fi & Bluetooth module enables direct and reliable communication with the S-Miles Cloud.

MIS-2000/2250/2500-W



Features

01 **High Energy Yield**
- *97.5% peak efficiency*
- *Supports PV modules up to 800W+*
- *Optimized thermal design for hot rooftop conditions in South Africa*

02 **Safe and Reliable**
- *AFCI integrated*
- *12-year standard warranty*
- *Low failure rate*

03 **Easy and Cost-Effective Installation**
- *Plug and play connection with Flex-S3 cable*
- *One-tap sync of settings to all devices*
- *Equipped with 650 mm DC cables*

04 **Smart and Grid-Ready**
- *Comply with zero-export requirements*
- *Easy O&M with S-Miles Cloud and AI assistant*
- *Flexible system sizing with multiple power options*

Technical Specifications

Model	MIS-2000-W	MIS-2250-W	MIS-2500-W
Input Data (DC)			
Commonly used module power (W)	400 to 675+	450 to 750+	500 to 840+
Maximum input voltage (V)		120	
Min./Max. start-up voltage (V)		28/120	
Full-Load MPPT voltage range (V)	60 to 96	65 to 96	73 to 96
MPPT voltage range (V)		22 to 120	
Maximum input current (A)		20	
Maximum input short-circuit current (A)		25	
Maximum inverter back-feed current (A)		0	
Number of MPPTs		2	
Number of Inputs per MPPT		1	
Output Data (AC)			
Rated output power (VA)	2000	2250	2500
Max. output current (A)	8.70	9.78	10.87
Maximum output short-circuit current (A)		11.36	
Nominal output voltage/range (V)		230 / 180 to 275	
Nominal frequency/range (Hz)		50 / 45 to 55	
Adjustable power factor (@rated power)		> 0.99 default 0.8 leading ... 0.8 lagging	
Total harmonic distortion (@rated power)		< 3%	
Efficiency			
Peak efficiency		97.5%	
CEC efficiency		97.0%	
Nominal MPPT efficiency		99.8%	
Night power consumption (mW)		< 50	
Mechanical Data			
Ambient temperature range (°C)		-40 to +65 (-40 to +149 °F)	
Storage temperature range (°C)		-40 to +85 (-40 to 185 °F)	
Dimensions (W×H×D mm)		267 × 235 × 37	
Weight (kg)		3.51	
Enclosure rating		Outdoor - IP67	
Cooling		Natural convection - No fans	
Overvoltage category		PV: II, Mains: III	
Protection class		I	
Feature			
Communication		Wi-Fi and Bluetooth	
Topology		Galvanically Isolated HF Transformer	
Monitoring		S-Miles Cloud	
Compliance		NRS 097-2-1	

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