SINGLE-PHASE MICROINVERTER

The Hoymiles MIS-2500-W Pro series microinverter is designed for high-powered PV modules, delivering an output power of up to 2500 VA to significantly boost system power generation efficiency. It supports hassle-free plug-and-play installation, and the included 600 mm (23.62 inches) DC cable eliminates the need for extensions, greatly saving your costs and installation time. Additionally, its built-in Wi-Fi & Bluetooth module enables direct and reliable communication with the S-Miles Cloud.

MIS-2500-W Pro

Features

01 Easy & Cost-Effective Installation

- *One-tap sync of settings to all devices, cutting 66%+ setup time*
- *No need for extra DC extension cables*
- *Plug and play connection*

02 Extreme Heat Resistance

- *Operates at 45 °C (113 °F) with no power derating*
- *Maintains reliable output up to 80 °C (176 °F)*

03 Stable & Wide-Coverage Communication

- *Wi-Fi mesh technology*
- *Self-healing network*

04 Comprehensive Reliability

- *Backed by 10000+ hours of testing*
- *12-year warranty*

Technical Specifications

Model	MIS-2250-W Pro	MIS-2500-W Pro
Input Data (DC)		
Commonly used module power (W)	450 to 750+	500 to 840+
Maximum input voltage (V)	120	
Min./Max. start voltage (V)	22*/120	
Peak MPPT voltage range (V)	63 to 96	68 to 96
Maximum input current (A)	20	
Maximum input short circuit current (A)	32	
Number of MPPTs	2	
Number of Inputs per MPPT	1	
Output Data (AC)		
Rated output power (VA)	2250	2500
Max. output current (A)	10.2/9.8	11.36/10.8
Nominal output voltage (V)	220/230	220/230
Nominal frequency (Hz)	50/45 to 55 or 60/55 to 65	
Adjustable power factor (@rated power)	> 0.99 default 0.8 leading ... 0.8 lagging	
Total harmonic distortion (@rated power)	< 3%	
Efficiency		
Peak efficiency	98.0%	
CEC weight efficiency	97.5%	
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 (°F)	-40 to +85 (-40 to 185 °F)	
Dimensions (W×H×D [mm])	290.7 × 297 × 42 (11.44 × 11.69 × 1.65 inches)	
Weight (kg)	4.4 (9.7 lbs)	
Enclosure rating	Outdoor - IP67	
Cooling	Natural convection - No fans	
Feature		
Communication	Wi-Fi and Bluetooth	
Topology	Galvanically Isolated HF Transformer	
Monitoring	S-Miles Cloud	
Compliance	UL1741, Anatel, PORTARIA INMETRO Nº 140, DE 21 DE MARÇO DE 2022, IEC 63027	

* The data is based on the condition that both DC inputs are connected to the PV modules.

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