

Microinverter Datasheet

HMS-600W-2T
HMS-700W-2T
HMS-800W-2T
HMS-900W-2T
HMS-1000W-2T

Description

Hoymiles HMS-1000W series microinverters are specifically designed for mini PV systems, such as balcony systems, and feature an integrated industrial+ grade Wi-Fi module.

With the user-friendly HMS Plug and Play Cable, installation is effortless. Users can connect the microinverter directly to a socket - no complex wiring is required.

The HMS-1000W series microinverters simplify system monitoring. They enable seamless access to real-time production data by directly connecting smartphones to the microinverter. Remote monitoring also made possible through the S-Miles Cloud by creating PV plants.

Features

01 Plug-and-play design for balcony solar systems

02 Built-in industrial+ grade Wi-Fi module for high reliability

03 Compatible with Micro Toolkit or S-Miles Cloud for monitoring and management

04 Output power setting function to customize performance

05 Enhanced safety with rapid shutdown compliance and isolated transformer

06 High-powered microinverter with up to 1000 VA output

Technical Specifications

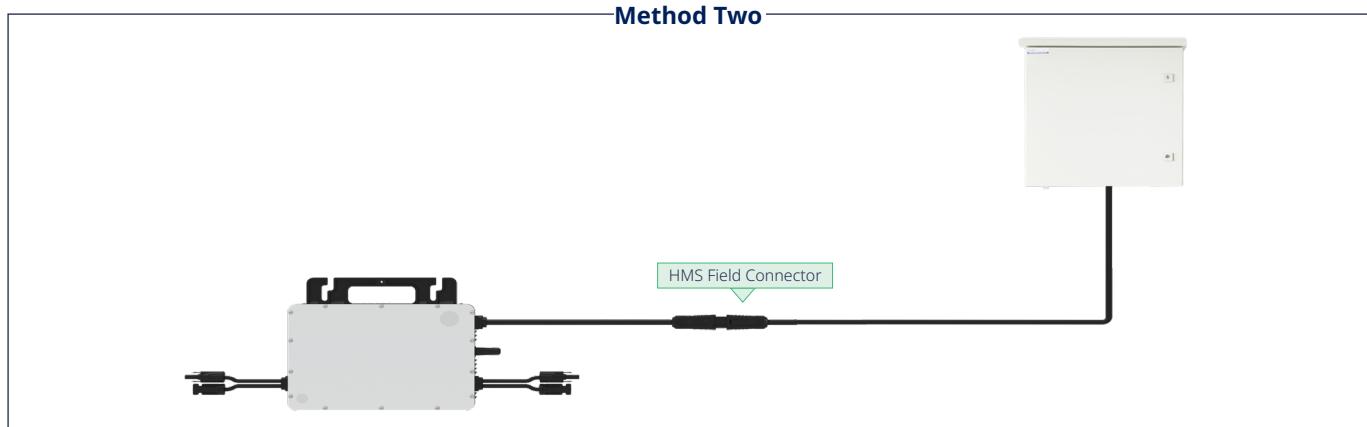
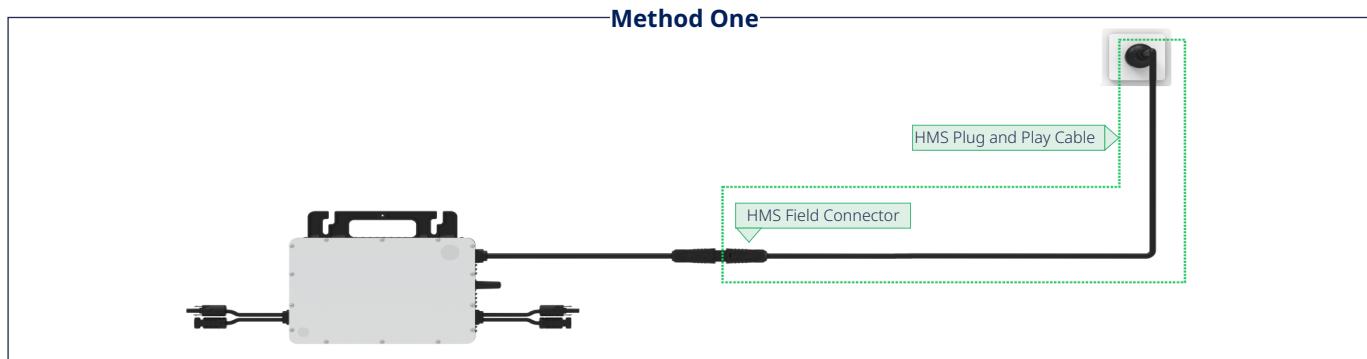
Model	HMS-600W-2T	HMS-700W-2T	HMS-800W-2T	HMS-900W-2T	HMS-1000W-2T
Input Data (DC)					
Commonly used module power (W)	240 to 405+	280 to 470+	320 to 540+	360 to 600+	400 to 670+
Maximum input voltage (V)	60	60	65	65	65
MPPT voltage range (V)			16-60		
Min./Max. start voltage (V)			22/60		
Maximum input current (A)	2 × 12	2 × 13	2 × 14	2 × 15	2 × 16
Maximum input short circuit current (A)	2 × 20	2 × 20	2 × 25	2 × 25	2 × 25
Number of MPPTs			2		
Number of inputs per MPPT			1		
Output Data (AC)					
Rated output power (VA)	600	700	800	900	1000
Rated output current (A)	2.61	3.04	3.48	3.91	4.35
Nominal output voltage/range (V)*			230/180-275		
Nominal frequency/range (Hz)*			50/45-55		
Power factor(adjustable)			>0.99 default 0.8 leading ... 0.8 lagging		
Total harmonic distortion			< 3%		
HMS Plug and Play Cable (Optional)					
Connector type			HMS Field Connector		
Cable size			1.5 mm ²		
Cable length			3 m (Customizable)		
Plug type			Schuko		
Efficiency					
CEC peak efficiency	96.70%	96.70%	96.70%	96.50%	96.50%
Nominal MPPT efficiency			99.80%		
Night power consumption (mW)			< 50		
Mechanical Data					
Ambient temperature range (°C)			-40 to +65		
Storage temperature range (°C)			-40 to +85		
Dimensions (W × H × D mm)			261 × 180 × 35.1		
Weight (kg)			3.2		

Technical Specifications

Model	HMS-600W-2T	HMS-700W-2T	HMS-800W-2T	HMS-900W-2T	HMS-1000W-2T
Enclosure rating				Outdoor-IP67	
Cooling			Natural convection – No fans		
Features					
Communication			Built-in Wi-Fi		
Topology			Galvanically Isolated HF Transformer		
Monitoring			Micro Toolkit or S-Miles Cloud		
Compliance	VDE-AR-N 4105: 2018, EN 50549-1: 2019, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3				

*: Nominal voltage/frequency range may vary based on local requirements.

Wiring Diagram



Communication Diagram

