



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

- O1 Plug-and-play design for balcony solar systems
- Built-in industrial+ grade Wi-Fi module for high reliability
- Compatible with Micro Toolkit or S-Miles Cloud for monitoring and management
- Output power setting function to customize performance
- Enhanced safety with rapid shutdown compliance and isolated transformer
- High-powered microinverter with up to 1000 VA output

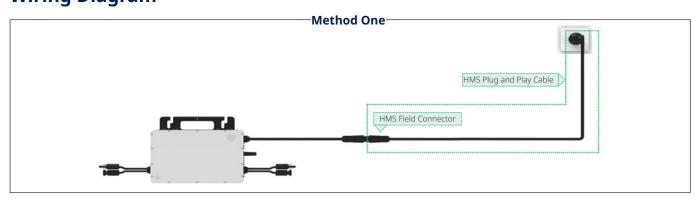
Technical Specifications

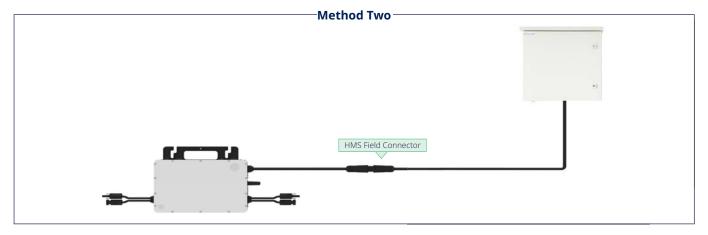
Model	HMS-600W-2T	HMS-700W-2T	HMS-800W-2T	HMS-900W-2T	HMS-1000W-27		
Input Data (DC)							
Commonly used module power (W)	240 to 405+	280 to 470+	320 to 540+	360 to 600+	400 to 670+		
Maximum input voltage (V)	60	60	65	65	65		
MPPT voltage range (V)	16-60						
Min./Max. start voltage (V)	22/60						
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

