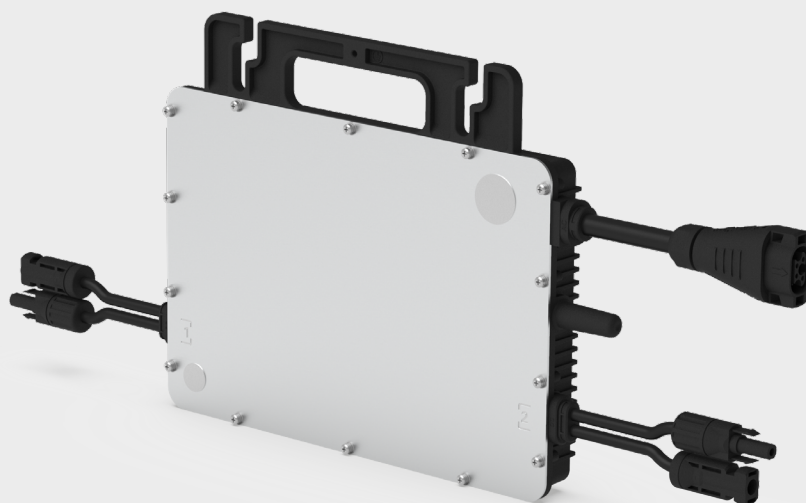




Microinverter Datasheet

HMS-800-2T
HMS-900-2T
HMS-1000-2T

Description

With the output power up to 1000 W, Hoymiles new microinverter HMS-1000-2T series rank among the highest for 2-in-1 microinverters.

Each microinverter can connect up to two panels, and each port has an independent MPPT to track and maximize the power production.

The new Sub-1G wireless solution enables more stable communication with Hoymiles gateway DTU.

Features

01

High-powered microinverter for 2-in-1 with output power up to 1000 W

02

With Reactive Power Control, compliant with IS 16169 / IEC 62116, IS 16221 (Part 2), IEC 61727, etc.

03

Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer

04

Independent MPPT and monitoring ensure greater energy harvest and easier maintenance

05

2-in-1 design enables faster installation

06

Sub-1G wireless solution allows stable communication in commercial and industrial settings

Technical Specifications

Model	HMS-800-2T			HMS-900-2T			HMS-1000-2T		
Input Data (DC)									
Commonly used module power (W)	320 to 540+			360 to 600+			400 to 670+		
Maximum input voltage (V)				65					
MPPT voltage range (V)				16–60					
Start-up voltage (V)				22					
Maximum input current (A)	2 × 14			2 × 15			2 × 16		
Maximum input short circuit current (A)				2 × 25					
Number of MPPTs				2					
Number of inputs per MPPT				1					
Output Data (AC)									
Rated output power (W)	800			900			1000		
Rated output current (A)	3.64	3.48	3.33	4.09	3.91	3.75	4.55	4.35	4.17
Nominal output voltage/range (V)*	220/180–275	230/180–275	240/180–275	220/180–275	230/180–275	240/180–275	220/180–275	230/180–275	240/180–275
Nominal frequency/range (Hz)*	50/45–55 or 60/55–65								
Adjustable power factor (@nominal power)	> 0.99 default 0.8 leading...0.8 lagging								
Total harmonic distortion (@nominal power)	< 3%								
DC/AC ratio	≤ 1.35								
Maximum units per 2.5 mm² branch**	6	6	7	5	6	6	5	5	5
Maximum units per 4 mm² branch**	8	9	9	7	8	8	7	7	7
Maximum units per 6 mm² branch**	11	11	12	9	10	10	8	9	9
Efficiency									
CEC peak efficiency	96.7%			96.5%			96.5%		
Nominal MPPT efficiency				99.8%					
Night power consumption (mW)				< 50					
Mechanical Data									
Ambient temperature range (°C)				-40 to +65					
Dimensions (W × H × D mm)				261 × 180 × 35.1					
Weight (kg)				3.2					
Enclosure rating				Outdoor-IP67					
Cooling				Natural convection-No fans					
Features									
Communication				Sub-1G					
Type of isolation				Galvanically Isolated HF Transformer					
Monitoring				S-Miles Cloud (Hoymiles Monitoring Platform)					
Compliance	IS 16169 / IEC 62116, IS 16221 (Part 2), EN 50549-1: 2019, VDE-AR-N 4105: 2018, UL 1741, IEC 61727, IEC 61683, IEC/EN 60068-2-1/-2/-14/-30, AS/NZS 4777.2:2020, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3								

* : Nominal voltage/frequency range can vary depending on local requirements.

** : Refer to local requirements for exact number of microinverters per branch.