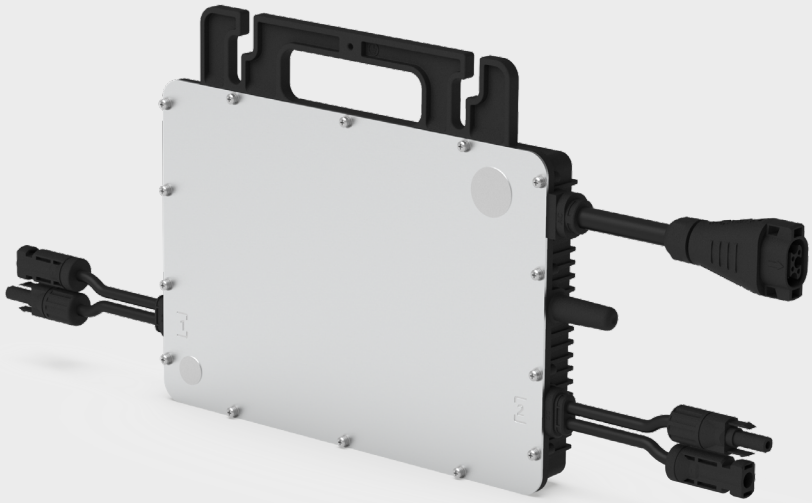

Microinverter Datasheet

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

Description

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

Each microinverter can connect up to 2 panels, with independent MPPT and monitoring maximizing the power production of your installation.

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 VA

02 With Reactive Power Control, compliant with EN 50549-1:2019, VDE-AR-N 4105:2018, VFR 2019, 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

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Technical Specifications

Model	HMS-600-2T	HMS-700-2T	HMS-800-2T	HMS-900-2T	HMS-1000-2T
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				
Start-up voltage (V)	22				
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				
Adjustable power factor (@nominal power)	> 0.99 default 0.8 leading ... 0.8 lagging				
Total harmonic distortion (@nominal power)	< 3%				
Maximum units per 2.5 mm² branch**	9	8	7	6	5
Maximum units per 4 mm² branch**	13	11	9	8	7
Maximum units per 6 mm² branch**	15	13	11	10	9
Efficiency					
Peak efficiency	96.7%	96.7%	96.7%	96.5%	96.5%
Nominal MPPT efficiency	99.8%				
Night power consumption (mW)	< 50				
Mechanical Data					
Ambient temperature range (℃)	-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	EN 50549-1: 2019, VDE-AR-N 4105: 2018, 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 can vary depending on local requirements.
** : Refer to local requirements for exact number of microinverters per branch.