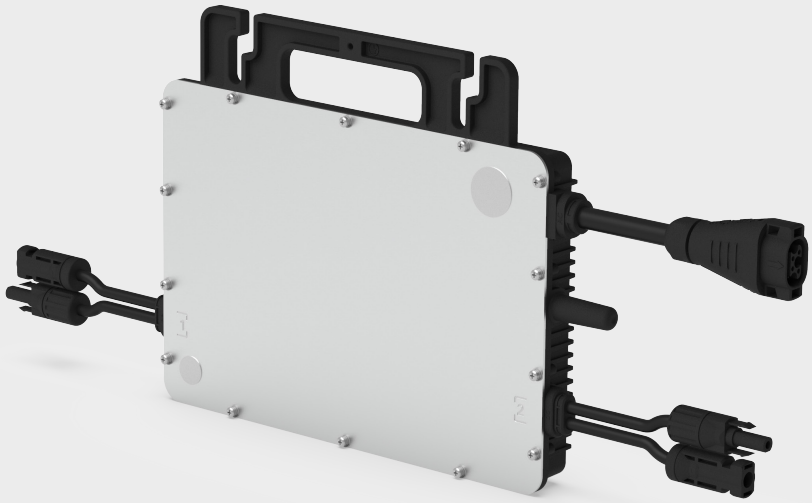


Microinverter Datasheet

HMS-1000-2T
HMS-1100-2T
HMS-1200-2T

Description

The HMS-1200-2T series microinverters offer a maximum power output of 1200 VA, ranking them among the top-performing 2-in-1 microinverters on the market.

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

Features

01 High-powered microinverter for 2-in-1 with output power up to 1200 VA

02 With Reactive Power Control, compliant with CE, BIS, BEE.

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

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Technical Specifications

Model	HMS-1000-2T	HMS-1100-2T	HMS-1200-2T
Input Data (DC)			
Commonly used module power (W)	400 to 670+	440 to 740+	480 to 750+
Maximum input voltage (V)		65	
MPPT voltage range (V)		16 to 60	
Min./Max. start-up voltage(V)		22/60	
Maximum input current (A)		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 (VA)	1000	1100	1200
Max. output current (A)	4.55	4.78	5.22
Nominal output voltage (V)*		230	
Nominal frequency (Hz)*		50/45 to 55	
Adjustable power factor (@nominal power)		> 0.99 default 0.8 leading...0.8 lagging	
Total harmonic distortion (@nominal power)		< 3%	
Efficiency			
Peak Efficiency		96.5%	
Nominal MPPT efficiency		99.8%	
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	
Enclosure rating		Outdoor-IP67	
Cooling		Natural convection – No fans	
Features			
Communication		Sub-1G	
Type of isolation		Galvanically Isolated HF Transformer	
Monitoring		S-Miles Cloud	
Compliance		CE, BIS, BEE	

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

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