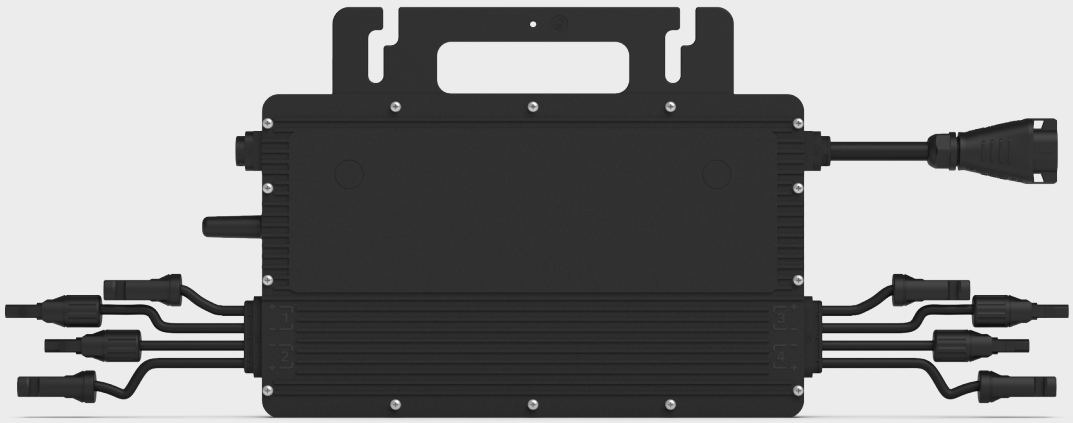

Microinverter Datasheet

HM-1800T-S
HM-2000T-S

Description

Hoymiles 4-in-1 microinverter HM-2000T-S features 4 input channels, significantly lowering installation costs.

All of these models listed are connected to an intelligent monitoring system to track individual modules' performance over time and offer superior energy production.

The new Sub-1G wireless solution enables more stable communication under various environmental conditions.

Features

01	High-powered microinverter with output power up to 2000 VA.
02	99.8% MPPT efficiency and module-level monitoring ensure greater energy harvest and easier maintenance.
03	Comply with UL 1741 and ABNT NBR 16150.
04	4-in-1 design maximizes efficiency and reduces costs.
05	Sub-1G wireless solution allows stable communication in commercial and industrial settings.
06	IP67 (NEMA 6) protection degree, adapt to outdoor use.

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Technical Specifications

Model	HM-1800T-S			HM-2000T-S		
Input Data (DC)						
Commonly used module power (W)	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)	4 × 15			4 × 15		
Maximum input short circuit current (A)	4 × 25					
Number of MPPTs	2					
Number of inputs per MPPT	2					
Output Data (AC)						
Rated output power (VA)	1800			2000		
Rated output current (A)	8.18	7.83	7.50	9.09	8.70	8.33
Nominal output voltage/range (V)[1]	220/180–275	230/180–275	240/180–275	220/180–275	230/180–275	240/180–275
Nominal frequency/range (Hz)[1]	50/45–55 or 60/55–65					
Power factor (adjustable)	> 0.99 default 0.8 leading ... 0.8 lagging					
Total harmonic distortion	< 3%					
Maximum units per branch[2]	3	4	4	3	3	3
Efficiency						
CEC peak efficiency	96.5%					
Nominal MPPT efficiency	99.80%					
Night power consumption (mW)	< 50					
Mechanical Data						
Ambient temperature range (℃)	-40 to +65					
Dimensions (W × H × D mm)	310 × 186 × 39.6					
Weight (kg)	4.28					
Enclosure rating	Outdoor-IP67 (NEMA 6)					
Cooling	Natural convection – No fans					
Features						
Communication	Sub-1G					
Topology	Galvanically Isolated HF Transformer					
Monitoring	S-Miles Cloud[3]					
Compliance	UL 1741, ABNT NBR 16150, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3					

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Hoymiles Monitoring System.