



Microinverter Datasheet

HMS-1800B-4T
HMS-2000B-4T

Description

With the output power up to 2000 VA, Hoymiles new microinverter monophasic on-grid microinverter HMS-2000B ranks among the highest for 4-in-1 microinverters.

Both models listed are equipped with reactive power control and can meet the requirements of UL 1741, ABNT NBR 16150, etc.

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

Features

01

High-powered microinverter with output power up to 2000 VA

02

Independent monitoring makes easier maintenance

03

With Reactive Power Control, compliant with UL 1741, ABNT NBR 16150, etc.

04

Each microinverter supports up to 4 modules, faster installation and lower cost

05

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

06

Sub-1G wireless solution enables the stable communication for commercial and industrial stations

Technical Specifications

Model	HMS-1800B-4T			HMS-2000B-4T		
Input Data (DC)						
Commonly used module power (W)	360 to 600+			400 to 670+		
Maximum input voltage (V)	65			65		
MPPT voltage range (V)	16-60			16-60		
Start-up voltage (V)	22			22		
Maximum input current (A)	4 × 15			4 × 15		
Maximum input short circuit current (A)	4 × 25			4 × 25		
Number of MPPTs	2			2		
Number of Inputs per MPPT	2			2		
Output Data (AC)						
Rated output power (VA)	1800			2000		
Rated output current (A)	8.18	7.83	7.5	9.09	8.7	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			50/45-55 or 60/55-65		
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging			>0.99 default 0.8 leading...0.8 lagging		
Total harmonic distortion	<3%			<3%		
Maximum units per 10AWG branch ²	3	4	4	3	3	3
Efficiency						
CEC peak efficiency	96.5%			96.5%		
Nominal MPPT efficiency	99.8%			99.8%		
Night power consumption (mW)	<50			<50		
Mechanical Data						
Ambient temperature range (°C)	-40 to +65			-40 to +65		
Dimensions (W × H × D mm)	331 × 218 × 36.6			331 × 218 × 36.6		
Weight (kg)	4.7			4.7		
Enclosure rating	NEMA 6 (IP67)			NEMA 6 (IP67)		
Cooling	Natural convection-No fans			Natural convection-No fans		
Features						
Communication	Sub-1G			Sub-1G		
Type of isolation	Galvanically Isolated HF Transformer			Galvanically Isolated HF Transformer		
Monitoring	S-Miles Cloud ³			S-Miles Cloud ³		
Compliance	UL 1741, CSA C22.2 No. 107.1-16, IEEE 1547, ABNT NBR 16150, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3			UL 1741, CSA C22.2 No. 107.1-16, IEEE 1547, 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