



Microinverter Datasheet

HMS-1800
HMS-2000



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Description

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

Each microinverter connects up to four PV modules with independent MPPT and monitoring, makes greater energy harvest and easier maintenance.

New Sub-1G wireless solution enables more stable communication when installed for any installation environment.

Features

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| 01 | Highest-powered microinverter with output power up to 2000VA. | 04 | Each microinverter supports up to 4 modules, faster installation and lower cost. |
| 02 | Independent MPPT and monitoring makes greater energy harvest and easier maintenance. | 05 | Safer for rooftop solar stations with rapid shutdown compliant and isolated transformer. |
| 03 | With Reactive Power Control, meets the requirements of EN50549-1:2019, VDE-AR-N 4105:2018, UL1741, ABNT NBR 16150, etc. | 06 | Sub-1G wireless solution enables the stable communication when installed for commercial and industrial stations. |



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Technical Specifications

	HMS-1800-4T				HMS-2000-4T		
Input Data(DC)							
Commonly used module power(W)	360~565				400~625		
Peak power MPPT voltage range(V)	36~48				38~48		
Start-up voltage(V)	22						
Operating voltage range(V)	16~60						
Maximum input voltage(V)	60						
Maximum input current(A)	4*13.3				4*14		
Output Data(AC)							
Rated output power(VA)	1800				2000		
Rated output current(A)	8.18	7.83	7.5	9.09	8.70	8.33	
Nominal output voltage/range(V)	220/180-275 ¹	230/180-275 ¹	240/180-275 ¹	220/180-275 ¹	230/180-275 ¹	240/180-275 ¹	
Nominal frequency/range(V)	50/45-55 ¹ or 60/55-65 ¹						
Power factor(adjustable)	>0.99 default 0.8 leading...0.8 lagging						
Total harmonic distortion	<3%						
Maximum units per 10AWG branch ²	3	4	4	3	3	3	
Efficiency							
CEC peak efficiency	96.7%						
CEC weighted efficiency	96.5%						
Nominal MPPT efficiency	99.8%						
Night power consumption(mW)	<50						
Mechanical Data							
Ambient temperature range(°C)	-40 ~ +65						
Dimensions(W×H×D mm)	331*218*34.6				 WIND • SOLAR & CONTRACTOR		
Weight (kg)	4.7						
Enclosure rating	Outdoor-NEMA6(IP67)						
Cooling	Natural convection-No fans						
Features							
Communication	Sub-1G						
Monitoring	Hoymiles Monitoring System						
Compliance	EN 50549-1: 2019, VDE-R-N 4105: 2018, UL1741, 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 be changed due to the requirements of local power department.

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

