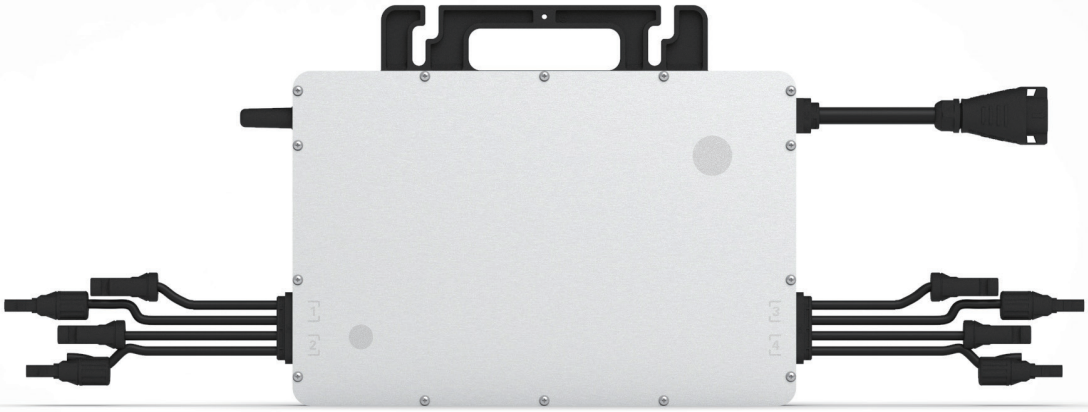

Microinverter Datasheet

HMS-1800
HMS-2000

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

01	Highest-powered microinverter with output power up to 2000VA
02	Independent MPPT and monitoring makes greater energy harvest and easier maintenance
03	With Reactive Power Control, meets the requirements of EN50549-1:2019, VDE-AR-N 4105:2018, UL1741, 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 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)[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 10AWG branch [2]	3	4	4	3	3	3
Efficiency						
CEC peak efficiency	96.5%					
Nominal MPPT efficiency	99.8%					
Night power consumption(mW)	<50					
Mechanical Data						
Ambient temperature range(℃)	-40 ~ +65					
Dimensions(W×H×D mm)	331*218*34.6					
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.