



HM-1000/1200/1500

**The Best in Its Class! The Microinverter
with reactive power control for 4 solar panels**

Highlights

- Easy installation, just plug and play
- External antenna for stronger communication with DTU
- Power factor (adjustable) 0.85 leading.....0.85 lagging
- The highest power density microinverter on the market
- Compliant with CA Rule 21 & U.S. NEC 2014/2017 690.12 rapid shutdown
- High reliability; NEMA (IP67) enclosure; 6000V surge protection



Safer



Smarter



More Powerful



More Reliable



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Model	HM-1000		HM-1200		HM-1500	
Input Data (DC)						
Commonly used module power (W)	200~310		240~380		300~470	
Module compatibility	60-cell or 72-cell PV modules		60-cell or 72-cell PV modules		60-cell or 72-cell PV modules	
Peak power MPPT voltage range (V)	27~48		29-48		36~48	
Start-up voltage (V)	22		22		22	
Operating voltage range (V)	16~60		16-60		16~60	
Maximum input voltage (V)	60		60		60	
Maximum input current (A)	4*10.5		4*11.5		4*11.5	
Output Data (AC)						
Maximum continuous output power (VA)	1000		1200		1500	
Maximum continuous output current (A)	4.73	5.46	5.68	6.55	7.1	7.21
Nominal output voltage/range (V)	240/211-264 ¹	208/183-228 ¹	240/211-264 ¹	208/183-228 ¹	240/211-264 ¹	208/183-228 ¹
Nominal frequency/range (V)	60/55-65 ¹		60/55-65 ¹		60/55-65 ¹	
Power factor (adjustable)	>0.99 default 0.85 leading...0.85 lagging		>0.99 default 0.85 leading...0.85 lagging		>0.99 default 0.85 leading...0.85 lagging	
Total harmonic distortion	<3%		<3%		<3%	
Maximum units per branch ²	5	4	4	3	3	3
Efficiency						
CEC peak efficiency	96.70%		96.70%		96.70%	
CEC weighted efficiency	96.50%		96.50%		96.50%	
Nominal MPPT efficiency	99.80%		99.80%		99.80%	
Nighttime power consumption (mW)	<50		<50		<50	
Mechanical Data						
Ambient temperature range (°C)	-40~+65					
Dimensions (W×H×D mm)	280 x 176 x 33					
Weight (kg)	3.75 (including 2.32m AC cable)					
Enclosure rating	Outdoor-NEMA (IP67)					
Cooling	Natural convection – No fans					
Features						
Communication	2.4GHz Proprietary RF(Nordic)					
Monitoring	Hoymiles Monitoring System					
Compliance	UL1741, IEEE1547, UL1741 SA (240Vac), CA Rule21 (240Vac), CSA C22.2 No. 107.1-16 , FCC 15B, FCC 15C					
PV Rapid Shutdown	Conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems					

*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.

High Reliability Based on World's Top Supplier Partners








