



## HM-1000N/1200N/1500N

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-1000N		HM-1200N		HM-1500N	
<b>Input Data (DC)</b>						
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	
<b>Output Data (AC)</b>						
Peak output power (VA)	1000		1260	1200	1500	1350
Maximum continuous output power (VA)	958		1200	1109	1438	1246
Maximum continuous output current (A)	3.99	4.61	5	5.33	5.99	5.99
Nominal output voltage/range (V)	240/211-264 <sup>1</sup>	208/183-228 <sup>1</sup>	240/211-264 <sup>1</sup>	208/183-228 <sup>1</sup>	240/211-264 <sup>1</sup>	208/183-228 <sup>1</sup>
Nominal frequency/range (Hz)	60/55-65 <sup>1</sup>		60/55-65 <sup>1</sup>		60/55-65 <sup>1</sup>	
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 <sup>2</sup>	4	3	3	3	2	2
<b>Efficiency</b>						
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	
<b>Mechanical Data</b>						
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					
<b>Features</b>						
Communication	2.4GHz Proprietary RF(Nordic)					
Monitoring	Hoymiles Monitoring System					
Warranty	Up to 25 years					
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					

<sup>1</sup>Nominal voltage/frequency range can be changed due to the requirements of local power department.

<sup>2</sup>Refer to local requirements for exact number of microinverters per branch.