



## 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) 0.8 leading.....0.8 lagging
- The highest power density microinverter on the market
- Compliant with VDE-AR-N 4105: 2018 & EN50549-1: 2019
- 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
<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>			
Rated output power (VA)	1000	1200	1500
Rated output current(A)	4.55 / 4.35 / 4.17	5.45 / 5.22 / 5	6.82 / 6.52 / 6.25
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180-275 <sup>1</sup>	180-275 <sup>1</sup>	180-275 <sup>1</sup>
Nominal frequency/range (Hz)	50/45-55 <sup>1</sup> or 60/55-65 <sup>1</sup>	50/45-55 <sup>1</sup> or 60/55-65 <sup>1</sup>	50/45-55 <sup>1</sup> or 60/55-65 <sup>1</sup>
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging	>0.99 default 0.8 leading...0.8 lagging	>0.99 default 0.8 leading...0.8 lagging
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch <sup>2</sup>	5 / 5 / 5	4 / 4 / 4	3 / 3 / 3
<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		
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	VDE-R-N 4105: 2018, EN 50549-1: 2019, VFR 2019, 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.