



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**

Model	HM-1000	HM-1200	HM-1500
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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)

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/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	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			50/45-55 ¹ or 60/55-65 ¹			50/45-55 ¹ or 60/55-65 ¹		
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 ²	5	5	5	4	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
Enclosure rating	Outdoor-NEMA (IP67)
Cooling	Natural convection – No fans

Features

Communication	2.4GHz Proprietary RF(Nordic)
Monitoring	Hoymiles Monitoring System
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.

High Reliability Based on World's Top Supplier Partners

