

SOLAR ONE



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		
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

