



## HM-500/600/700

The best daisy-chain microinverter with reactive power control for 2 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
- Compliant with AS/NZS 4777.2 : 2015 & U.S. NEC 2014/2017 690.12 rapid shutdown
- High reliability; NEMA (IP67) enclosure; 6000V surge protection



Safer



Smarter



More Powerful



More Reliable

Model	HM-500	HM-600	HM-700
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**Input Data (DC)**

Commonly used module power (W)	200~310	240~380	280~440
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	33~48
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)	2*10.5	2*11.5	2*11.5

**Output Data (AC)**

Rated output apparent power (VA)	500		600		700	
Rated output current (A)	2.17	2.08	2.61	2.5	3.04	2.92
Nominal output voltage/range (V)	230/180-275 <sup>1</sup>	240/180-275 <sup>1</sup>	230/180-275 <sup>1</sup>	240/180-275 <sup>1</sup>	230/180-275 <sup>1</sup>	240/180-275 <sup>1</sup>
Nominal frequency/range (V)	50/45-55 <sup>1</sup>		50/45-55 <sup>1</sup>		50/45-55 <sup>1</sup>	
Power factor	>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	10	10	8	8	7	7

**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)	250 x 170 x 28
Weight (kG)	3.0
Enclosure rating	Outdoor-NEMA (IP67)
Cooling	Natural convection – No fans

**Features**

Communication	2.4GHz Proprietary RF(Nordic)
Monitoring	Hoymiles Monitoring System
Warranty	12 years standard, 25 years optional
Compliance	IEC/EN62109-1/-2, IEC/EN61000-6-1/-2/-3/-4, IEC/EN61000-3-2/-3, AS/NZS4777.2 : 2015, EN50549-1 : 2019, VDE-AR-N 4105 : 2018

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

High Reliability Based on World's Top Supplier Partners

