



## HM-500/600/700/800

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



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Model	HM-500		HM-600		HM-700		HM-800	
<b>Input Data (DC)</b>								
Commonly used module power (W)	200~310		240~380		280~440		320~500	
Peak power MPPT voltage range (V)	27~48		29-48		33~48		34~48	
Start-up voltage (V)	22		22		22		22	
Operating voltage range (V)	16~60		16-60		16~60		16~60	
Maximum input voltage (V)	60		60		60		60	
Maximum input current (A)	2*10.5		2*11.5		2*11.5		2*12.5	
<b>Output Data (AC)</b>								
Rated output apparent power (VA)	500		600		700		800	
Rated output current (A)	2.17	2.08	2.61	2.5	3.04	2.92	3.48	3.33
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>	230/180-275 <sup>1</sup>	240/180-275 <sup>1</sup>
Nominal frequency/range (Hz)	50/45-55 <sup>1</sup>		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		>0.99 default 0.8 leading...0.8 lagging	
Total harmonic distortion	<3%		<3%		<3%		<3%	
Maximum units per branch	10	10	8	8	7	7	6	6
<b>Efficiency</b>								
CEC peak efficiency	96.70%		96.70%		96.70%		96.70%	
CEC weighted efficiency	96.50%		96.50%		96.50%		96.50%	
Nominal MPPT efficiency	99.80%		99.80%		99.80%		99.80%	
Nighttime power consumption (mW)	<50		<50		<50		<50	
<b>Mechanical Data</b>								
Ambient temperature range (°C)	-40~+65							
Dimensions (W×H×D mm)	250 x 170 x 28							
Weight (kG)	3.0 (including 2.42m 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	12 years standard, 25 years optional							
Compliance	EN62109-1/-2, EN61000-6-1/-2/-3/-4, EN61000-3-2/-3, AS/NZS4777.2:2015, EN50549-1, VDE-AR-N 4105:2018							

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