



## HM-250/300/350/400

The perfect lightweight and compact selection for your PV system

### 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-250	HM-300	HM-350	HM-400
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**Input Data (DC)**

Commonly used module power (W)	200~310	240~380 <sup>1</sup>	280~440 <sup>1</sup>	320~500 <sup>1</sup>
Module compatibility	60-cell or 72-cell PV modules	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	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)	10.5	11.5	11.5	12.5

**Output Data (AC)**

Rated output apparent power (VA)	250	300	350	400
Rated output current (A)	1.09 / 1.04	1.30 / 1.25	1.52 / 1.46	1.74 / 1.67
Nominal output voltage (V)	230 / 240	230 / 240	230 / 240	230 / 240
Nominal output voltage range (V)	180-275 <sup>2</sup>	180-275 <sup>2</sup>	180-275 <sup>2</sup>	180-275 <sup>2</sup>
Nominal frequency/range (V)	50/45-55 <sup>2</sup>	50/45-55 <sup>2</sup>	50/45-55 <sup>2</sup>	50/45-55 <sup>2</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	>0.99 default 0.8 leading...0.8 lagging
Total harmonic distortion	<3%	<3%	<3%	<3%
Maximum units per branch	20 / 20	16 / 16	14 / 14	12 / 12

**Efficiency**

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

**Mechanical Data**

Ambient temperature range (°C)	-40~+65
Dimensions (W×H×D mm)	182 x 164 x 29.5
Weight (kG)	1.98
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> Maximum DC input at 25°C is limited to 350W according to AS/NZS 5033:2014 4.3.12

<sup>2</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**

