



## HM-300A/350A/400A

Smaller and Easier  
Specific designed for AC Module

### 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



[sales@hoymiles.com](mailto:sales@hoymiles.com)



+86-571-28056101



[www.hoymiles.com](http://www.hoymiles.com)

Model	HM-300A	HM-350A	HM-400A
<b>Input Data (DC)</b>			
Commonly used module power (W)	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
Peak power MPPT voltage range (V)	29-48	33~48	34~48
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)	11.5	11.5	12.5
<b>Output Data (AC)</b>			
Rated output apparent power (VA)	300	350	400
Rated output current (A)	1.30 / 1.25	1.52 / 1.46	1.74 / 1.67
Nominal output voltage (V)	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>
Nominal frequency/range (V)	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
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	16 / 16	14 / 14	12 / 12
<b>Efficiency</b>			
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
<b>Mechanical Data</b>			
Ambient temperature range (°C)	-40~+65		
Dimensions (W×H×D mm)	182 x 164 x 29.5		
Weight (kg)	1.75		
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	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