



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



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Model	HM-300A	HM-350A	HM-400A
Input Data (DC)			
Commonly used module power (W)	240~380 ¹	280~440 ¹	320~500 ¹
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
Output Data (AC)			
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 ²	180-275 ²	180-275 ²
Nominal frequency/range (V)	50/45-55 ²	50/45-55 ²	50/45-55 ²
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	16 / 16	14 / 14	12 / 12
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)	182 x 164 x 29.5		
Weight (kg)	1.75		
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		

¹Maximum DC power for each input at 25°C should be limited to 350W according to AS/NZS 5033:2014 4.3.12

² Nominal voltage/frequency range can be changed due to the requirements of local power department