



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
Input Data (DC)				
Commonly used module power (W)	200~310	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	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 ²	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	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	>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			

¹Maximum DC input at 25°C is limited to 350W according to AS/NZS 5033:2014 4.3.12

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