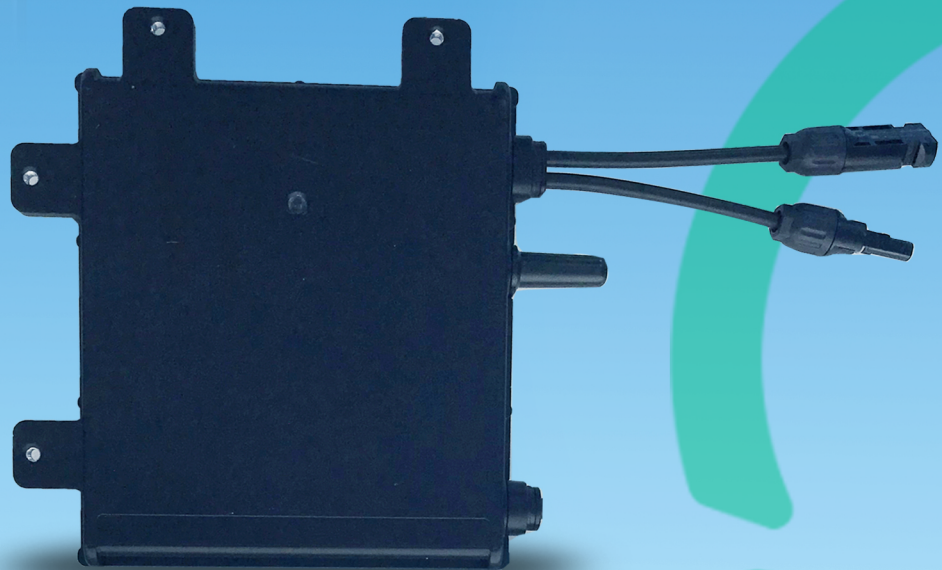




HM-300A/350A/400A

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) 0.8leading.....0.8 lagging
- High reliability; NEMA (IP67) enclosure; 6000V surge protection



Safer



Smarter



More Powerful



More Reliable

Model	HM-300A	HM-350A	HM-400A
Input Data (DC)			
Commonly used module power (W)	240~380	280~440	320~500
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 power (VA)	300	350	400
Rated output current(A)	1.36 / 1.30 / 1.25	1.59 / 1.52 / 1.46	1.82 / 1.74 / 1.67
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180-275 ¹	180-275 ¹	180-275 ¹
Nominal frequency/range (Hz)	60/55-65 ¹	60/55-65 ¹	60/55-65 ¹
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(12AWG)	16 / 16 / 16	14 / 14 / 14	12 / 12 / 12
Maximum units per branch(10AWG)	22 / 23 / 24	18 / 19 / 20	16 / 17 / 18
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	Up to 25 years		
Compliance	UL1741, IEEE1547, CSA C22.2 No. 107.1-16, NOM-001-SCFI-1993, FCC Part15, ANSI C63.4, ICES-003		

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

*2 Refer to local requirements for exact number of microinverters per branch.