



HM-300N/350N/400N

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) 0.85 leading.....0.85 lagging
- Compliant with CA Rule 21 & 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-300N		HM-350N		HM-400N	
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)						
Peak output power (VA)	300		350		400	
Maximum continuous output power (VA)	295		349		382	
Maximum continuous output current (A)	1.23	1.42	1.45	1.68	1.59	1.84
Nominal output voltage/range (V)	240/211-264 ¹	208/183-228 ¹	240/211-264 ¹	208/183-228 ¹	240/211-264 ¹	208/183-228 ¹
Nominal frequency/range (Hz)	60/55-65 ¹		60/55-65 ¹		60/55-65 ¹	
Power factor (adjustable)	>0.99 default 0.85 leading...0.85 lagging		>0.99 default 0.85 leading...0.85 lagging		>0.99 default 0.85 leading...0.85 lagging	
Total harmonic distortion	<3%		<3%		<3%	
Maximum units per branch ²	13	11	11	9	10	8
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)	1.98					
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, UL1741 SA (240Vac), CA Rule21 (240Vac), CSA C22.2 No. 107.1-16, FCC 15B, FCC 15C					
PV Rapid Shutdown	Conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems					

*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.