




MI-300N/350N/400N


Highlights

- Peak output power up to 300/350/400W; Adapted to 60 & 72 cells PV modules
- Peak efficiency 96.70%; CEC weighted efficiency 96.50%
- Static MPPT efficiency 99.80%; Dynamic MPPT efficiency 99.76% in overcast weather
- High reliability; NEMA6 (IP67) enclosure; 6000V surge protection



 sales@hoymiles.com

 +86-571-28056101

 www.hoymiles.com

Model	MI-300N		MI-350N		MI-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 (W)	300		350		400	
Maximum continuous output power (W)	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	208V/183-228	240/211-264	208V/183-228	240/211-264	208V/183-228
Nominal frequency/range (Hz)	60/55-65 ¹		60/55-65 ¹		60/55-65 ¹	
Power factor	>0.99		>0.99		>0.99	
Total harmonic distortion	<3%		<3%		<3%	
Maximum units per branch ²	13	11	11	9	10	8
Efficiency						
CEC peak efficiency			96.70%			
CEC weighted efficiency			96.50%			
Nominal MPPT efficiency			99.80%			
Nighttime power consumption (mW)			<50			
Mechanical Data						
Ambient temperature range (°C)			-40~+65			
Dimensions (W×H×D mm)			178 x 153 x 28			
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, 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.