



MI-600N/700N/800N

Highlights

- Single microinverter connects two PV modules with individual MPPT
- Peak output power up to 600/700/800W; Adapted to 60 & 72 cells PV panels
- 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



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Model	MI-600N		MI-700N		MI-800N	
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)	2*11.5		2*11.5		2*12.5	
Output Data (AC)						
Peak output power (W)	600		700		800	
Maximum continuous output power (W)	590		696		766	
Maximum continuous output current (A)	2.46	2.84	2.9	3.35	3.19	3.68
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	>0.99		>0.99		>0.99	
Total harmonic distortion	<3%		<3%		<3%	
Maximum units per branch ²	6	5	5	4	5	4
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)	250 x 170 x 28					
Weight (kG)	3.0 (including 2.42m AC cable)					
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.