



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



 sales@hoymiles.com

 +86-571-28056101

 www.hoymiles.com

Model	MI-600N	MI-700N	MI-800N
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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.