



MI-1000N/1200N/1500N

New Product Release
Unique design for 4 PV panels

Highlights

- Single microinverter connects four PV modules with dual MPPT
- Peak output power up to 1000/1200/1500W; 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-1000N	MI-1200N	MI-1500N
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Input Data (DC)

Commonly used module power (W)	200 ~ 310	240-380	300-470
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)	27 ~ 48	32-48	36-48
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)	4*10.5	4*10.5	4*11.5

Output Data (AC)

Peak output power (W)	1000	1260	1200	1500	1350	
Maximum continuous output power (W)	958	1200	1109	1438	1246	
Maximum continuous output current (A)	3.99	4.61	5	5.33	5.99	5.99
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	60/55-65 ¹	60/55-65 ¹	60/55-65 ¹
Power factor	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%	<3%	<3%	<3%
Maximum units per branch ²	4	3	3	3	2	2

Efficiency

CEC peak efficiency	96.70%	96.70%	96.70%	96.70%
CEC weighted efficiency	96.50%	96.50%	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%	99.80%	99.80%
Nighttime power consumption (mW)	<50	<50	<50	<50

Mechanical Data

Ambient temperature range (°C)	-40~+65
Dimensions (W×H×D mm)	280x176x33
Weight (kG)	3.75 (including 2.32m 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.