



## MI-1000/1200/1500

New Product Release  
Unique design for 4 PV panels

### Highlights

- Single microinverter connects four PV modules with dual MPPT
- Maximum 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-1000	MI-1200	MI-1500
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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 (V)	4*10.5	4*10.5	4*11.5

**Output Data (AC)**

Rated output power (W)	1000	1200	1500
Rated output current (A)	4.54 / 4.38 / 4.17	5.45 / 5.22 / 5	6.82 / 6.52 / 6.25
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180-275 <sup>1</sup>	180-275 <sup>1</sup>	180-275 <sup>1</sup>
Nominal frequency/range (Hz)	60/55-65 <sup>1</sup>	60/55-65 <sup>1</sup>	60/55-65 <sup>1</sup>
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	5 / 5 / 5	4 / 4 / 4	3 / 3 / 3

**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)	280x176x33
Weight (kg)	3.75 (including 2.32m AC cable)
Enclosure rating	Outdoor-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, NOM-001-SCFI-1993, FCC Part15, ANSI C63.4, ICES-003, ABNT NBR 16149:2013, ABNT NBR 16150:2013, Anatel

<sup>1</sup> Nominal voltage/frequency range can be changed due to the requirements of local power department