



MI-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 1200/1500W; Adapted to 60 & 72 cells PV panels
- Peak efficiency 96.60%; 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-1200	MI-1500
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Input Data (DC)

Commonly used module power (W)	240-380	300-470
Peak power MPPT voltage range (V)	32-48	36-48
Start-up voltage (V)	22	22
Operating voltage range (V)	16-60	16-60
Maximum input voltage (V)	60	60
Maximum input current (A)	10.5	11.5

Output Data (AC)

	@208V AC	@240V AC	@220V AC	@230V AC
Rated output power (W)	1200 / 1500	1200 / 1500	1200 / 1500	1200 / 1500
Rated output current (A)	5.77 / 7.21	5 / 6.25	5.45 / 6.81	5.21 / 6.52
Nominal output voltage/range (V)	208/180-275	240/180-275	220/180-275	230/180-275
Nominal frequency/range (Hz)	60/58-62	60/58-62	50/45-55 or 60/55-45	
Power factor	>0.99	>0.99	>0.99	>0.99
Total harmonic distortion	<3% / <5%	<3% / <5%	<3% / <5%	<3% / <5%
Maximum units per branch	3 / 3	4 / 3	4 / 3	4 / 3

Efficiency

CEC peak efficiency	96.60%	96.60%
CEC weighted efficiency	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%
Nighttime power consumption (mW)	<50	<50

Mechanical Data

Ambient temperature range (°C)	-40~+65	-40~+65
Dimensions (W×H×D mm)	280x176x33	280x176x33
Weight (kG)	3.75 (including 1.9m AC cable)	3.75 (including 1.9m AC cable)
Enclosure rating	Outdoor-NEMA (IP67)	Outdoor-NEMA (IP67)
Cooling	Natural convection – No fans	Natural convection – No fans

Features

Communication	2.4G RF	2.4G RF
Monitoring	Hoymiles monitoring system	Hoymiles monitoring system
Design lifetime	>25 years	>25 years

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