




MI-250/300/350


Highlights

- Maximum output power up to 250/300/350W; 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-250 / MI-300 / MI-350**

Input Data (DC)

Commonly used module power (W)	Up to 310 / 380 / 440		
Peak power MPPT voltage range (V)	27-48 / 32-48 / 33-48		
Start-up voltage (V)	22		
Operating voltage range (V)	16-60		
Maximum input voltage (V)	60		
Maximum input current (A)	10.5 / 10.5 / 11.5		

Output Data (AC)

	@208V AC	@240V AC	@230V AC
Rated output power (W)	250/300/350	250/300/350	250/300/350
Rated output current (A)	1.20/1.44/1.68	1.04/1.25/1.45	1.08/1.30/1.52
Nominal output voltage/range (V)	208/180-275	240/180-275	230/180-275
Nominal frequency/range (Hz)	60/58-62	60/58-62	50/45-55 or 60/58-62
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	18 / 15 / 13	21 / 17 / 15	20 / 16 / 14

Efficiency

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

Mechanical Data

Ambient temperature range (°C)	-40~+65
Dimensions (W×H×D mm)	178 x 153 x 28
Weight (kg)	1.98 (including 1.35m AC cable)
Enclosure rating	Outdoor-NEMA (IP67)
Cooling	Natural convection – No fans

Features

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

High Reliability Based on World's Top Supplier Partners

