





MI-500/600/700


Highlights

- Single microinverter connects two PV modules with individual MPPT
- Maximum output power up to 500/600/700W; 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-500 / MI-600 / MI-700**

Input Data (DC)

Commonly used module power (W)	Up to 310 / 380 / 440 (single panel)			
Peak power MPPT voltage range (V)	27-48 / 29-48 / 33-48			
Start-up voltage (V)	22			
Operating voltage range (V)	16-60			
Maximum input voltage (V)	60			
Maximum input current (A)	10.5 / 11.5 / 11.5			

Output Data (AC)

	@208V AC	@240V AC	@220V AC	@230V AC
Rated output power (W)	500/600/700	500/600/700	500/600/700	500/600/700
Rated output current (A)	2.40/2.88/3.36	2.08/2.50/2.91	2.27/2.72/3.28	2.17/2.60/3.04
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%	<3%	<3%	<3%
Maximum units per branch	9 / 7 / 6	10 / 8 / 7	10 / 8 / 7	10 / 8 / 7

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)	250 x 170 x 28
Weight (kg)	3.00 (including 2.32m 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

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