



MI-300/350/400

Highlights

- Maximum output power up to 300/350/400W; 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



Model	MI-300	MI-350	MI-400
Input Data (DC)			
Commonly used module power (W)	240~380	280~440	320~500
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)	29~48	33~48	34~48
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)	11.5	11.5	12.5
Output Data (AC)			
Rated output power (W)	300	350	400
Rated output current (A)	1.36 / 1.30 / 1.25	1.59 / 1.52 / 1.46	1.82 / 1.74 / 1.67
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180-275 ¹	180-275 ¹	180-275 ¹
Nominal frequency/range (Hz)	50/45-55 ¹ or 60/55-65 ¹	50/45-55 ¹ or 60/55-65 ¹	50/45-55 ¹ or 60/55-65 ¹
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	16 / 16 / 16	14 / 14 / 14	12 / 12 / 12
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)	173x153x28		
Weight (kg)	1.98		
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	IEC/EN 61000-3-2/-3, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 62109-1/-2, IEC61727, IEC62116, IEC61683, VDE-0126-1-1		

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