

Model	MI-500		
Input Data(DC)			
Commonly used module power (W)	200~310		
Peak power MPPT voltage range (V)	27 ~ 48		
Start-up voltage (V)	22		
Operating voltage range (V)	16 ~ 60		
Maxium input voltage (V)	60		
Maxiumum input current (A)	10.5		
Output Data (AC)			
Rated output power (W)	500		
Rated output current (A)	2.27	2.17	2.08
Norminal output voltage/range (V)	220/180-275	230/180-275	240/180-275
Norminal frequency/range (Hz)	50/45-55 or 60/55-65		
Power factor	>0.99		
Total harmonic distortion	<3%		
Maxium units per branch	10	10	10
Efficiency			
CEC Peak efficiency	96.7%	96.7%	96.7%
CEC weighted efficiency	96.5%	96.5%	96.5%
Norminal MPPT efficiency	99.8%		
Night power consumption (mW)	<50		
Mechanical Data			
Ambient temperature range (°C)	-40~+65		
Dimensions (W X H X D mm)	250 X 170 X28		
Weight (kg)	3.00		
Enclosure rating	Outdoor-IP67		
Cooling	Natural convection - No fans		
Features			
Communication	2.4G RF		

Monitoring

Hoymiles Monitoring System

Compliance

**IEC/EN 61000-3-2,IEC/EN61000-3-3,IEC/EN 61000-6-2, IEC/EN61000-6-3,
VDE V 0126-1-1,IEC/EN 62109-1,IEC/EN 62109-2, AS/NZS 4777.2,
VDE-AR-N 4105,EN50438,IEC61727,IEC62116,IEC61683**

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

MI-500 Datasheet Rev1.0