

## Model

MI-500 / MI-600 / MI-700  
(2 X 60 cells or 2 X 72 cells)

### 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	@240 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	50/45-55
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 X H X D mm)	250 X 170 X 28
Weight (kG)	3.00 (including 2.32m AC cable)
Enclosure rating	Outdoor-NEMA6 (IP67)
Cooling	Natural convection - No fans

### Loading Quantity

Container	1 X 20' GP	1 X 40' GP / 1 X 40' HQ
Pallet No.	10	22
Carton No.	480	1008
Total quantity	2400	5040

### Other Features

Communication	2.4G RF
Monitoring	Hoymiles Monitoring System
Warranty	Up to 25 years

### Standard Compliance

EMC	EN61000-6-3:2007+A1:2011 EN61000-6-2:2005 EN61000-3-2:2014 EN61000-3-3:2013
Safety	EN62109-1:2010 EN62109-2:2011 IEC 62109-1 Ed 1.0 IEC 62109-2 Ed 1.0 UL Std No.1741-Second Edition EN 60529
On-Grid	AS/NZS 4777.2:2015 VDE-AR-N4105:2011-08 DIN V VDE V 0126-1-1/A1:2012:02 IEC61727:2004 EN50438:2013 ANSI/IEEE 1547.1 IEC62116:2011 UTE C 15-712-1:2010-07 NBT32004-2013