

# Microinverter

## 2 in 1 unit



### MI-500 / MI-600 / MI-700

“The World’s First Daisy-Chain 2 in 1 Microinverter for Large Scale Commercial Application” is designed for dual solar panels with double MPPTs, with wide DC input operating voltage range (16-60V) and low start-up voltage (22V only).

Hoymiles 2 in 1 microinverter MI-500/MI-600/MI-700 is the world’s most powerful microinverter solution for dual solar panels with CEC weighted efficiency as high as 96.5% (world’s No.1 for 2 in 1 unit in 2015); with quicker installation and much higher power density compared with single unit, it’s also one of the best-selling microinverters for Hoymiles up to now worldwide.

## Highlights

- Maximum output power up to 500/600/700W; Adapted to 60 & 72 cells PV panels
- Peak efficiency 96.7%; CEC weighted efficiency 96.5%
- Static MPPT efficiency 99.8%; Dynamic MPPT efficiency 99.76% in overcast weather
- High reliability: NEMA6(IP67) enclosure; 6000V surge protection

Model	MI-500 / MI-600 / MI-700 (2X60 cells / 2X72 cells)		
<b>Input Data(DC)</b>			
Recommended input power (W)	Up to 620 / 760 / 800		
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		
<b>Output Data (AC)</b>			
	<b>@208V AC</b>	<b>@240V AC</b>	<b>@230V AC</b>
Rated output power (W)	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	2.17 / 2.61 / 3.04
Nominal output voltage/range (V)	208/183-250	240 / 211-264	230/180-275
Nominal frequency/range (Hz)	60/59.3-60.5	60 / 59.3-60.5	50/45-55
Power factor	> 0.99	> 0.99	> 0.99
Output current harmonic distortion	< 3%	< 3%	< 3%
Maximum units per 20A branch	6 / 5 / 4	7 / 6 / 6	7 / 5 / 5
<b>Efficiency</b>			
CEC peak efficiency	96.7%		
CEC weighted efficiency	96.5%		
Nominal MPPT efficiency	99.8%		
Night time power consumption (mW)	< 50		
<b>Mechanical Data</b>			
Ambient temperature range (°C)	-40 ~ +65		
Operating temperature range (°C)	-40 ~ +85		
Dimensions (W×H×D mm)	250×170×28		
Weight (kg)	3.00(including 1.9m AC cable)		
Enclosure rating	NEMA6(IP67)		
Cooling	Natural convection - No fans		
<b>Loading Quantity</b>			
Container	1X20' GP	1X40' GP / 1X40' HQ	
Pallet No.	10	22	
Carton No.	480	1008	
Total Quantity	2400	5040	
<b>Other Features</b>			
Communication	Wireless		
Design lifetime	> 25 years		
<b>Standard Compliance</b>			
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		

