

# MI-500 Microinverter



## Highlights

- Single microinverter connects two modules, Maximum output power up to 600W
- Individual MPPT for each module
- Peak efficiency 96.7%, CEC efficiency 96.5%
- Static MPPT efficiency 99.8%, Dynamic MPPT efficiency 99.76% in heavy cloudy day
- High Reliability: NEMA6(IP67) enclosure, 6000V surge protection



Model	MI-500-NA / MI-600-NA (For North America)		MI-500-EU/ MI-600-EU (For Europe Australia and China)
Input data(DC)			
Recommended input power (W)	200~310/200~350		
Peak power MPPT voltage range (V)	27~48/32~48		
Operating voltage range (V)	16~60		
Maximum input voltage (V)	60		
Maximum input current (A)	10.5		
Output Data (AC)			
	@208V AC	@240V AC	@230V AC
Rated output power (W)	500/600	500/600	500/600
Rated output current (A)	2.40/2.88	2.08/2.50	2.17/2.61
Nominal output voltage/range (V)	208/183-229	240/211-264	230/200-270
Nominal frequency/range (Hz)	60/57-62.5	60/57-62.5	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	7/6	7/6
Efficiency			
Peak inverter efficiency	96.7%		
CEC weighted efficiency	96.5%		
Nominal MPPT efficiency	99.8%		
Night time power consumption (mW)	<50		
Mechanical Data			
Ambient temperature range (°C)	-40~+65		
Operating temperature range (°C)	-40~+85		
Dimensions (W×H×D mm)	250×180×28		
Weight (kg)	2.73	3.08	
Enclosure rating	NEMA6	IP67	
Cooling	Natural convection – No fans		
Features			
Communication	Wireless		
Warranty	Standard 12 years (can be extended to 25 years)		
Compliance	FCC Part15 Class B UL1741 CAN/CSA-C22.2 NO. 0-M91, 0.4-04, and 107.1-01 IEEE1547	EN6100-6-1/2/3/4 CNCA/CTS0004:2009A EN 62109-1/2 AS3100 \ AS4777 VDE4105 \ VDE0126 EN50438:2013 UTE C 15-712-1	