





Highlights

- · Single microinverter connects two PV modules with individual MPPT
- · Maximum output power up to 500/600/700W; 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











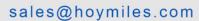














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Model

Features Communication

Monitoring

Design lifetime

MI-500 / MI-600 / MI-700

2.4G RF

Hoymiles monitoring system

>25 years

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	@240V 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 or 60/55-45	
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×H×D mm)	250 x 170 x 28			
Weight (kG)	3.00 (including 2.32m AC cable)			
Enclosure rating	Outdoor-NEMA (IP67)			
Cooling	Natural convection – No fans			

High Reliability Based on World's Top Supplier Partners VISHAY. CREE ÷ MICROCHIP **EPCOS** NIPPON CHEMI-CON muRata Infineon TEXAS INSTRUMENTS