hoymiles

12-25 YEAR WARRANTY

MI-1000/1200/1500

New Product Release
Unique design for 4 PV panels

Highlights

- Single microinverter connects four PV modules with dual MPPT
- Peak output power up to 1000/1200/1500W; 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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COREY SOLAR

hoymiles

COREY SOLAR

Leading Solar Energy by a Trustable Way

Model	MI-1000	MI-1200	MI-1500
Input Data (DC)			
Commonly used module power (W)	200 ~ 310	240-380	300-470
Module compatibility	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules
Peak power MPPT voltage range (V)	27 ~ 48	32-48	36-48
Start-up voltage (V)	22	22	22
Operating voltage range (V)	16-60	16-60	16-60
Maximum input voltage (V)	60	60	60
Maximum input current (A)	4*10.5	4*10.5	4*11.5
Output Data (AC)			
Maximum continuous output power (W)	1000	1200	1500
Maximum continuous output current (A)	5	6	7.2
Nominal output voltage/range (V)	220/193-242	220/193-242	220/193-242
Nominal frequency/range (V)	60/55-65[1]	60/55-65[1]	60/55-65[1]
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	5	4	3
Efficiency			
CEC peak efficiency	96.70%	96.70%	96.70%
CEC weighted efficiency	96.50%	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%	99.80%
Nighttime power consumption (mW)	<50	<50	<50
Mechanical Data			
Ambient temperature range (℃)	-40~+65		
Dimensions (W×H×D mm)	280x176x33		
Weight (kG)	3.75 (including 2.32m AC cable)		
Enclosure rating	Outdoor-NEMA (IP67)		
Cooling	Natural convection – No fans		
Features			
Communication	2.4GHz Proprietary RF(Nordic)		
Monitoring	Hoymiles monitoring system		
Compliance	UL1741, IEEE1547, CSA C22.2 No. 107.1-16, FCC 15B, FCC 15C		
PV Rapid Shutdown	Conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems		

*1 Nominal voltage/frequency range can be changed due to the requirements of local power department.
*2 Refer to local requirements for exact number of microinverters per branch.

High Reliability Based on World's Top Supplier Partners

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hoymiles

12-25 YEAR WARRANTY

MI-500 / 600 / 700

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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COREY SOLAR

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Model	MI-500	MI-600	MI-700
Input Data (DC)			
Commonly used module power (W)	200~310	240~380	280~440
Module compatibility	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules
Peak power MPPT voltage range (V)	27~48	29~48	33~48
Start-up voltage (V)	22	22	22
Operating voltage range (V)	16-60	16~60	16~60
Maximum input voltage (V)	60	60	60
Maximum input current (A)	2*10.5	2*11.5	2*11.5
Output Data (AC)			
Maximum continuous output power (W)	500	600	700
Maximum continuous output current (A)	2.5	3	3.5
Nominal output voltage/range (V)	220/193-242	220/193-242	220/193-242
Nominal frequency/range (V)	60/55-65[1]	60/55-65[1]	60/55-65[1]
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch[2]	10	8	7
Efficiency			
CEC peak efficiency	96.70%	96.70%	96.70%
CEC weighted efficiency	96.50%	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%	99.80%
Nighttime power consumption (mW)	<50	<50	<50
Mechanical Data			
Ambient temperature range (℃)	-40~+65		
Dimensions (W×H×D mm)	250 x 170 x 28		
Weight (kG)	3.0 (including 2.42m AC cable)		
Enclosure rating	Outdoor-NEMA (IP67)		
Cooling	Natural convection – No fans		
Features			
Communication	2.4GHz Proprietary RF(Nordic)		
Monitoring	Hoymiles Monitoring System		
Compliance	UL1741, IEEE1547, CSA C22.2 No. 107.1-16, FCC 15B, FCC 15C		
PV Rapid Shutdown	Conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems		

*1 Nominal voltage/frequency range can be changed due to the requirements of local power department.
*2 Refer to local requirements for exact number of microinverters per branch.

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Model MI-600 127V

Input Data(DC)		
Commonly used module power(W)	240~380	
Peak power MPPT voltage range(V)	29~48	
Start-up voltage(V)	22	
Operating voltage range(V)	16~60	
Maximum input voltage(V)	60	
Maximum input current(V)	11.5	
Output Data(AC)		
Rated output power(W)	600	
Rated output current(A)	5.0	
Nominal output voltage/range(V)	120/90-155 [1]	
Nominal frequency/range(V)	60/58-62 [1]	
Power factor	>0.99	
Total harmonic distortion	<3%	
Maximum units per branch	4	
Efficiency		
CEC peak efficiency	95.0%	95.0%
Nominal MPPT efficiency	99.8%	
Night power consumption(mW)	<50	
Mechanical Data		
Ambient temperature range(℃)	-40 ~ +65	
Dimensions(W×H×D mm)	250×170×28	
Weight (kg)	3.0	
Enclosure rating	Outdoor-NEMA6(IP67)	
Cooling	Natural convection-No fans	
Features		
Communication	2.4G RF	
Monitoring	Hoymiles Monitoring System	
Integrated ground (no GEC required)	The DC circuit meets the requirements for ungrounded PV arrays in NEC 690.35.	
Compliance	UL1741/IEEE1547, FCC Part 15 Class B, CSA-C22.2 No. 107.1-16 This product is PV Rapid Shut Down Equipment and conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.	

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

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