Microinverter
4 in 1 unit

MI-1000 / MI-1200 / MI-1500

"The World's First Single-Phase Microinverter"designed for 4 solar panels with dual MPPT, with wide DC input operating voltage range (16-60V) and low start-up voltage (22V only).

Hoymiles 4 in 1 microinverter MI-1000/MI-1200/MI-1500 is"The Best Power Density Microinverter"ever in the solar industry with extremely light weight - only 3.75kG including integrated DC & AC cables; 3-phase wiring makes it easy to be configured by Hoymiles 4 in 1 microinverter for MW size commercial PV power stations (one of the world's biggest microinverter projects configured by Hoymiles microinverter is 3.6MW).

Highlights

- Maximum 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

Model	MI-1000 / MI-1200 / MI-1500 (4 X 60 cells or 4 X 72 cells)		
Input Data (DC)			
Commonly used module power (W)	Up to 310 / 380 / 470 (single panel)		
Peak power MPPT voltage range (V)	27~48 / 32~48 / 36~48		
Start-up voltage (V)	22		
Operating voltage range (V)	16~60		
Maximum input voltage (V)	60		
Maximum input current (A)	4*10.5 / 4*10.5 / 4*11.5		
Output Data (AC)			
Rated output power (W)	1000	1200	1500
Rated output current (A)	4.54 / 4.38 / 4.17	5.45 / 5.22 / 5	6.82 / 6.52 / 6.25
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180-275[1]	180-275[1]	180-275[1]
Nominal frequency/range (V)	50/45-55 [1] or 60/55-65 [1]	50/45-55 [1] or 60/55-65 [1]	50/45-55 [1] or 60/55-65 [1]
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	5 / 5 / 5	4 / 4 / 4	3 / 3 / 3
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 (℃)	-40～+65		
Dimensions (W X H X D mm)	280 X 176 X 33		
Weight (kG)	3.75 (including 2.32m AC cable)		
Enclosure rating	Outdoor-IP67		
Cooling	Natural convection - No fans		
Loading Quantity			
Container	1 X 20'GP	1 X 40'GP / 1X 40'HQ	
Pallet No.	10	22	
Carton No.	360	756	
Total quantity	1800	3780	
Other Features			
Communication	2.4GHz Proprietary RF(Nordic)		
Monitoring	Hoymiles Monitoring System		
Warranty	Up to 25 years		
Standard Compliance			
EMC	IEC/EN 61000-6-1:2007, IEC/EN 61000-6-2:2005, IEC/EN 61000-6-3:2007+A1:2011, IEC/EN 61000-6-4:2007+A1:2011, IEC/EN 61000-3-2:2014, IEC/EN 61000-3-3:2013		
Safety	IEC/EN 62109-1:2010, IEC/EN 62109-2:2011		
On-Grid	IEC 61727:2004, IEC 62116:2014, IEC 61683:1999, DIN VDE 0126-1-1(VDE V 0126-1-1):2013-08, VFR 2019, EN 50438:2013, ABNT NBR 16149:2013, ABNT NBR 16150:2013, NRS 097-2-1:2017 Edition 2, NBT 32004:2018		

Microinverter
2 in 1 unit

MI-600 / MI-700 / MI-800

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

Hoymiles 2 in 1 microinverter MI-600/MI-700/MI-800 is the world's most powerful microinverter solution for dual solar panels with world's leading CEC weighted efficiency 96.50%; 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 600/700/800W; 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

Model	MI-600 / MI-700 / MI-800 (2 X 60 cells or 2 X 72 cells)		
Input Data (DC)			
Commonly used module power (W)	Up to 380 / 440 / 500 (single panel)		
Peak power MPPT voltage range (V)	29~48 / 33~48 / 34~48		
Start-up voltage(V)	22		
Operating voltage range (V)	16~60		
Maximum input voltage (V)	60		
Maximum input current (A)	2*11.5 / 2*11.5 / 2*12.5		
Output Data (AC)			
Rated output power (W)	600	700	800
Rated output current (A)	2.73 / 2.61 / 2.5	3.18 / 3.04 / 2.92	3.64 / 3.48 / 3.33
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180~275 [1]	180~275 [1]	180~275 [1]
Nominal frequency/range (V)	50/45-55 [1] or 60/55-65 [1]	50/45-55 [1] or 60/55-65 [1]	50/45-55 [1] or 60/55-65 [1]
Power factor	> 0.99	> 0.99	> 0.99
Total harmonic distortion	< 3%	< 3%	< 3%
Maximum units per branch	8 / 8 / 8	7 / 7 / 7	6 / 6 / 6
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 (℃)	-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-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	2.4GHz Proprietary RF(Nordic)		
Monitoring	Hoymiles Monitoring System		
Warranty	Up to 25 years		
Standard Compliance			
EMC	IEC/EN 61000-6-1:2007, IEC/EN 61000-6-2:2005, IEC/EN 61000-6-3:2007+A1:2011, IEC/EN 61000-6-4:2007+A1:2011, IEC/EN 61000-3-2:2014, IEC/EN 61000-3-3:2013		
Safety	IEC/EN 62109-1:2010, IEC/EN 62109-2:2011		
On-Grid	IEC 61727:2004, IEC 62116:2014, IEC 61683:1999, DIN VDE 0126-1-1(VDE V 0126-1-1):2013-08, VFR 2019, EN 50438:2013, ABNT NBR 16149:2013, ABNT NBR 16150:2013, NRS 097-2-1:2017 Edition 2, NBT 32004:2018		

Microinverter
Single unit

MI-300 / MI-350 / MI-400

"The World's First Daisy-Chain Single Unit Microinverter"with extremely wide DC input operating voltage range (16-60V) and low start-up voltage (22V only).

Hoymiles single unit microinverter MI-300/MI-350/MI-400 is the perfect selection for PV system with uneven number of panel numbers with world's No.1 CEC weighted efficiency - 96.50% (peak efficiency - 96.70%) in 2015.

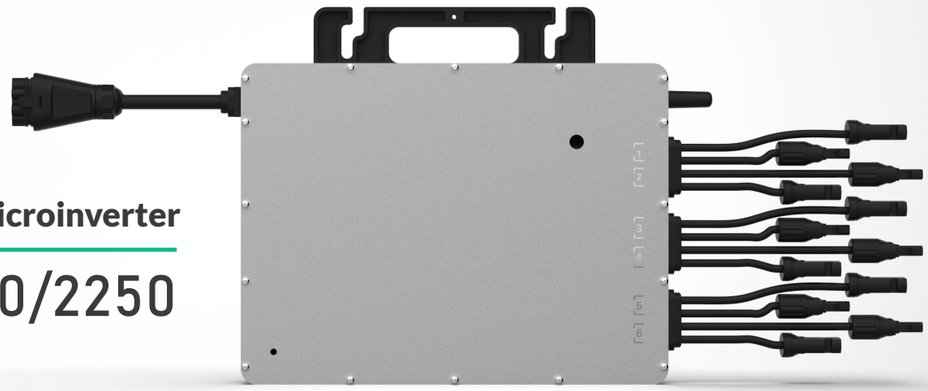
Highlights

- Maximum output power up to 300/350/400W; 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

Model	MI-300 / MI-350 / MI-400 (1 X 60 cells or 1 X 72 cells)		
Input Data (DC)			
Commonly used module power (W)	Up to 380 / 440 / 500		
Peak power MPPT voltage range (V)	29~48 / 33~48 / 34~48		
Start-up voltage(V)	22		
Operating voltage range (V)	16~60		
Maximum input voltage (V)	60		
Maximum input current (A)	11.5 / 11.5 / 12.5		
Output Data (AC)			
Rated output power (W)	300	350	400
Rated output current (A)	1.36 / 1.30 / 1.25	1.59 / 1.52 / 1.46	1.82 / 1.74 / 1.67
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V)	180~275 [1]	180~275 [1]	180~275 [1]
Nominal frequency/range (V)	50/45~55 [1] or 60/55~65 [1]	50/45~55 [1] or 60/55~65 [1]	50/45~55 [1] or 60/55~65 [1]
Power factor	>0.99	>0.99	>0.99
Total harmonic distortion	<3%	<3%	<3%
Maximum units per branch	16 / 16 / 16	14 / 14 / 14	12 / 12 / 12
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 (℃)	-40~+65		
Dimensions (W X H X D mm)	178 X 153 X 28		
Weight (kG)	1.98 (including 1.35m AC cable)		
Enclosure rating	Outdoor-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.	600	1260	
Total quantity	3000	6300	
Other Features			
Communication	2.4GHz Proprietary RF(Nordic)		
Monitoring	Hoymiles Monitoring System		
Warranty	Up to 25 years		
Standard Compliance			
EMC	IEC/EN 61000-6-1:2007, IEC/EN 61000-6-2:2005, IEC/EN 61000-6-3:2007+A1:2011, IEC/EN 61000-6-4:2007+A1:2011, IEC/EN 61000-3-2:2014, IEC/EN 61000-3-3:2013		
Safety	IEC/EN 62109-1:2010, IEC/EN 62109-2:2011		
On-Grid	IEC 61727:2004, IEC 62116:2014, IEC 61683:1999, DIN VDE 0126-1-1(VDE V 0126-1-1):2013-08, VFR 2019, EN 50438:2013, ABNT NBR 16149:2013, ABNT NBR 16150:2013, NRS 097-2-1:2017 Edition 2,		

www.hoymiles.com

hoymiles



Three-phase Microinverter

HMT-1800/2250

The world's first three-phase microinverter with Reactive Power Control, can be widely used in the general 230V/400V three-phase electric power distribution. Each microinverter, with up to 6 PV modules connected, simplifies the installation process and ranks among the most cost effective solutions for commercial and industrial installations.

Three-phase output, more suitable for commercial and industrial applications.

Each microinverter supports up to 6 modules, faster installation and lower cost.

Up to 2250VA output, adapted to mainstream high-powered PV modules.

With Reactive Power Control, meets the requirements of EN50549-1:2019, VDE-AR-N 4105:2018, TOR Erzeuger : 2019-12, etc.

The Sub-1G wireless solution enables the stable communication when installed for commercial and industrial stations.

12-25 YEARS WARRANTY

+86-571-28056101
sales@hoymiles.com

To learn more about Hoymiles offerings, visit www.hoymiles.com

Three-phase Microinverter

Input Data (DC)	HMT-1800	HMT-2250
Commonly used module power (W)	240~380	300~470
Peak power MPPT voltage range (V)	29~48	36~48
Start-up voltage (V)	22	
Operating voltage range (V)	16~60	
Maximum input voltage (V)	60	
Maximum input current (A)	6*11.5	
Output Data (AC)		
Grid connection	Three phase	
Rated output power (VA)	1800	2250
Rated output current (A)	2.61*3	3.26*3
Nominal output voltage (V)	230Vac/400Vac, 3W+N+PE	
Nominal frequency (Hz)	50 / 60	
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging	
Total harmonic distortion	<3%	
Maximum units per 12AWG branch	7	6
Maximum units per 10AWG branch	11	9
Efficiency		
CEC peak efficiency	96.0%	
Nominal MPPT efficiency	99.8%	
Night power consumption (mW)	<100	
Mechanical Data		
Ambient temperature range (℃)	-40 ~ +65	
Dimensions (W×H×D mm)	330*250*35	330*250*37
Weight (kg)	5.5	6.0
Enclosure rating	Outdoor-NEMA6 (IP67)	
Cooling	Natural convection-No fans	
Features		
Communication	Sub-1G	
Monitoring	Hoymiles Monitoring System	
Compliance	VDE-R-N 4105: 2018, EN 50549-1: 2019, TOR Erzeuger : 2019-12, IEC/EN 62109-1/-2, IEC/EN 61000-3-2/-3, IEC/EN 61000-6-1/-2/-3/-4	