



- Maximum output power 1200W
- Adapted to 60 & 72 cell PV panels
- Peak efficiency 96.5%; CEC weighted efficiency 96%
- Static MPPT efficiency 99.8%; Dynamic MPPT efficiency 99.76% on an overcast day
- High reliability: NEMA6 (IP67) enclosure; 6000V surge protection



- Designed for 4 solar panels
- Wide DC input operating voltage range: 16-60V
- Low start-up voltage: 22V
- Extremely light weight - only 3.75kg including the integrated DC & AC cables

MODEL	FBIHMI1200
<b>Input Data</b>	
Recommended Input Power (W)	200~360
Peak Power MPPT Voltage Range (V)	32-48
Operation Voltage Range (V)	16-60
Maximum Input Voltage (V)	60
Maximum Input Current (A)	10.5
<b>Output Data@230VAC</b>	
Rated Output Power (W)	1200
Rated Output Current (A)	5.21
Nominal Output Voltage/Range (V)	230/180-275
Nominal Frequency/Range (Hz)	50/45-55
Power Factor	>0.99
Output Current Harmonic Distortion	<3%
Maximum Units per 20A Branch	3
<b>Efficiency</b>	
Peak Inverter Efficiency	96.5%
CEC Weighted Efficiency	96.0%
Nominal MPPT Efficiency	99.8%
Night Time Power Consumption (mV)	<50
<b>Mechanical Data</b>	
Ambient Temperature (°C)	-40~+65
Operating Temperature (°C)	-40~+85
Dimension (W×H×D mm)	280*176*33
Weight (kg)	3.75
Enclosure Rate	IP67
Cooling	Natural convection-No fans
<b>Other</b>	
Wireless Communication	2.4G RF
Warranty	Standard 12 years (can be extended to 25 years)

### Accessories needed for installation:



Hoymiles DC extension cable 1m  
FBIADXC



Hoymiles AC end cable female 2m  
FBIAEHC2



Hoymiles AC end cap  
FBIAEHC



Hoymiles AC connector unlock tool  
FBIAHAUT



Hoymiles DC connector unlock tool  
FBIADUT

<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
ZA Certification	NRS-097-2-1: 2017