

# HFI Series Home Solar Inverter

(Solar Charger, AC charger, Inverter)



## Main Features

- Simulated sine wave inverter.
- Built-in 30/50A Solar Charger (optional).
- Surge, Over load, Short, Over temperature Protection.
- Super cooling design for harsh environment.
- Sensitivity selector (UPS mode or inverter mode).
- Multiple display options: horizontal, vertical, and wall mount.
- 12VDC or 24VDC available.
- 10A/20A standard AC charging current.
- Auto restart while AC is recovering.
- Adjustable battery charging voltage.
- Generators & Computer-related devices compatible.
- LCD and LED display.
- Cold start function.

## HFI Series Specification

Model	HFI-1.2K	HFI-2.4K
Capacity (Watts)	1200VA/720W	2400VA/1440W
<b>INPUT</b>		
Voltage	220/230/240VAC	
Acceptable Voltage Range	162-290 VAC or 90-290 VAC Selectable	
Frequency	50Hz	
<b>OUTPUT</b>		
Voltage Regulation (Batt. Mode)	± 10%	
Frequency Range (Batt. Mode)	50 Hz ± 1 Hz	
Transfer Time (Typical)	20ms	
Waveform (Batt. Mode)	Simulated Sine Wave	
Peak Efficiency (AC mode)	→95% @ Full R load	
<b>Solar charger</b>		
Solar charger Input	9-40VDC	18-80VDC
Solar charger Output	13.7V	27.4V
Solar charger Current	30A/50A optional	
<b>BATTERY</b>		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.4 VDC / 13.7 VDC Selectable	26.8 VDC / 27.4 VDC Selectable
Max Charging Current	10A / 20A Selectable	10A / 20A Selectable
<b>Protection</b>		
Full Protection	Overload and short circuit protection	
<b>Indicator</b>		
Display	LCD and LED	
<b>PHYSICAL</b>		
Dimension, D X W X H (mm)	288*272*90 (plastic case), 286*145*223 (metal case)	
Net Weight (kgs)	2.6 (plastic case), 4.2 (metal case)	2.8 (plastic case), 4.4 (metal case)
<b>ENVIRONMENT</b>		
Humidity	0-90% Relative Humidity (Non-condensing)	
Operating Temperature	0°C - 50°C	

\* Product specifications are subject to change without further notice