

ON/OFF GRID

HF Series Inverter

HF Series 3.6KW 6.2KW 11KW



Independent
Module



Customized
Logo



Multiple
Shell Colors



Customized
Capacity

Features

- Automatic restart for lithium batteries, easier charging
- Optional touch screen panel
- Adjustable charging voltage for different batteries
- CT anti-backflow function, auto grid detection
- PF1.0, high efficiency, low loss, energy saving
- PV grid-connected for electricity cost saving
- External WIFI for real-time monitoring
- Built-in lithium battery BMS function

HF SERIES

PRODUCT DESCRIPTION

	3624MH	6248MH	11048MH
Model			
Input			
Rated Input Voltage	220/230/240VAC		
Voltage Range (Normal)	90–280VAC±3V		
Voltage Range (UPS)	170–280VAC±3V		
Frequency Range	50/60Hz auto		
Output			
Battery Inverter Power	3600W	6200W	11000W
PV Inverter Power	3600W	6200W	12000W
Output Voltage	230VAC±5%		
Output Frequency	50Hz±0.1%		
Waveform	Pure Sine Wave		
Transfer Time (Adjustable)	10ms / 20ms		
Peak Power	12400VA	22000VA	72000VA
Overload Capacity (Battery Mode)	1s@105–150% load 2s@150–200% load 400ms@>200% load		
Nominal Output Current	26.9A	15.7A	47.8A
Power Factor	>0.99		
Max Conversion Efficiency (DC/AC)	>98%		
Battery & Charging			
Battery Rated Voltage	24VDC	48VDC	48VDC
Constant Voltage Charging (Adjustable)	28.2VDC	56.4VDC	56.4VDC
Float Charging Voltage (Adjustable)	27VDC	54VDC	54VDC
PV Charging Type	Dual MPPT	MPPT	MPPT
Max PV Input Power	5000W	8500W	2×5500W
MPPT Voltage Range	60–500VDC	90–500VDC	60–500VDC
Max PV Input Voltage	500VDC		
Max PV Input Current	15A	27A	27A/27A
Max PV Charging Current	120A	120A	150A
Max AC Charging Current	100A	150A	100A
Max Charging Current	120A	120A	150A
Grid-Connected			
Grid Feed Voltage	100–280VAC		
Grid Feed Frequency	47–53Hz / 57–62Hz		
Communication & Environment			
Display	LCD		
Communication	RS232 (2400bps), WIFI, BMS, CT		
Parallel Function	No		
Operating Temperature	–10°C ~ +50°C		
Storage Temperature	–15°C ~ +60°C		
Humidity	20%–95% non-condensing		
Noise	≤50dB		
Altitude	≤1000m (derate up to 4000m)		
Dimensions (W×D×H)	355×294×118 mm	440.3×309×125.5 mm	585×360×164 mm