



HF series HV

All in one solar charge inverter

HF4850U80-H
HF2430U80-H

HF4835U80-H



Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

Safety

- 360 degrees of security from hardware to software
- With IEC, SAA, cETL, FCC certification

all in one

- Support for many types of batteries
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power

User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Support for remote monitoring of operating parameters

MODEL	HF4850U80-H	HF4835U60-H	HF2430U80-H	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	5,000W	3,500W	3,000W	
Max.Peak Power	10,000VA	7,000VA	6,000VA	
Rated Output Voltage	120Vac (L/N/PE single phase)			√
Load Capacity of Motors	4HP	2HP	2HP	
Rated AC Frequency	50Hz/60Hz			
Waveform	Pure Sine Wave			
Switch Time	10ms (typical)			
BATTERY				
Battery Type	Li-ion/Lead-Acid/User Defined			√
Rated Battery Voltage	48Vdc		24Vdc	
Voltage Range	40~60Vdc		20~33Vdc	√
Max.MPPT Charging Current	80A	60A	80A	√
Max.Mains/Generator Charging Current		40A		√
Max.Hybrid Charging Current		80A		√
PV INPUT				
Num. of MPPT Trackers		1		
Max.PV Array Power	5,200W	4,400W	4,000W	
Max.Input Current		18A	13A	
Max.Voltage of Open Circuit		500Vdc		
MPPT Voltage Range		120~450Vdc		
MAINS/GENERATOR INPUT				
Input Voltage Range		90~140Vac		√
Frequency Range		50Hz/60Hz		√
Bypass Overload Current	40A	30A	40A	
EFFICIENCY				
MPPT Tracking Efficiency		99.9%		
Max. Battery Inverter Efficiency		92%		
GENERAL				
Dimensions	426*322*126mm (1.3*1*0.4ft)		378*280*103mm (1.2*0.9*0.3ft)	
Weight	10.9kg (24lb)		8kg (17.6lb)	
Protection Degree	IP20, Indoor Only			
Operating Temperature Range	-15°C~55°C (5°F~55°F)			
Noise	<60dB			
Cooling Method	Internal Fan			
Warranty	2 years			
COMMUNICATION				
Embedded Interfaces	RS485/CAN/USB/Dry contact			
External Modules (Optional)	Wi-Fi/GPRS			