



HFP series

All in one solar charge inverter

HFP4850S80-H

HFP4850S80-145



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	HFP4850S80-H		HFP4850S80-145	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	5,000W			
Max.Peak Power	10,000VA			
Rated Output Voltage	230Vac (single phase/three phase)			√
Load Capacity of Motors	4HP			
Rated AC Frequency	50Hz/60Hz			
Waveform	Pure Sine Wave			
Switch Time	10ms (typical)			
Parallel Capacity	1-6			
BATTERY				
Battery Type	Li-ion/Lead-Acid/User Defined			√
Rated Battery Voltage	48Vdc			
Voltage Range	40~60Vdc			√
Max.MPPT Charging Current	80A			√
Max.Mains/Generator Charging Current	60A			√
Max.Hybrid Charging Current	80A		140A	√
PV INPUT				
Num. of MPPT Trackers	1			
Max.PV Array Power	5,500W		4,400W	
Max.Input Current	22A		50A	
Max.Voltage of Open Circuit	500Vdc		145Vdc	
MPPT Voltage Range	120~450Vdc		60~115Vdc	
MAINS/GENERATOR INPUT				
Input Voltage Range	UPS: 170~280Vac APL: 90~280Vac			√
Frequency Range	50Hz/60Hz			√
Bypass Overload Current	40A			
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Battery Inverter Efficiency	92%			
GENERAL				
Dimensions	426*322*124mm			
Weight	10.8kg			
Protection Degree	IP20, Indor Only			
Operating Temperature Range	-10°C~55°C		-15°C~55°C	
Noise	<60dB			
Cooling Method	Internal Fan			
Warranty	2 years			
COMMUNICATION				
Embedded Interfaces	RS485/CAN/USB/Dry contact			
External Modules (Optional)	Wi-Fi/GPRS			