



## 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
<b>INVERTER OUTPUT</b>			
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		
<b>BATTERY</b>			
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	√
<b>PV INPUT</b>			
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	
<b>MAINS/GENERATOR INPUT</b>			
Input Voltage Range	UPS: 170~280Vac APL: 90~280Vac		√
Frequency Range	50Hz/60Hz		√
Bypass Overload Current	40A		
<b>EFFICIENCY</b>			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
<b>GENERAL</b>			
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		
<b>COMMUNICATION</b>			
Embedded Interfaces	RS485/CAN/USB/Dry contact		
External Modules (Optional)	Wi-Fi/GPRS		