



HFP series

All in one solar charge inverter

HFP4835U80-145

HFP4850S80-H



230V



48V



5KW



145/500V



IP20

Efficiency

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

User-friendly

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

All-in-one

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

Reliable

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

Safety

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

Intelligent

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

Parameters

MODEL	HFP4835U80-145	HFP4850S80-H	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	3500W	5000W	
Max.Peak Power	6000VA	10000VA	
Rated Output Voltage	120Vac (single phase/split phase/three phase)	230Vac (single phase/three phase)	√
Load Capacity of Motors	2HP	4HP	
Rated AC Frequency	50/60Hz		
Waveform	pure sine wave		
Switch Time	10ms (typical)		
Parallel capacity	1 ~ 6 units		
BATTERY			
Battery Type	Lead-acid / Li-ion / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40-60Vdc		√
Max.MPPT Charging Current	80A		√
Max.Mains/Generator Charging Current	40A	60A	√
Max.Hybrid Charging Current	120A	80A	√
PV INPUT			
Num. of MPP Trackers	1		
Max.PV array power	4400W	5500W	
Max.input current	50A	22A	
Max.Voltage of Open Circuit	140Vdc	500Vdc	
MPPT Voltage Range	120-450Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90~140Vac	170 ~ 280Vac	√
Frequency Range	50/60Hz		√
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	-15°C~55°C	-10°C~55°C	
Humidity	<60dB		
Cooling Method	Internal Fan		
Humidity	0 ~ 100%		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		
External Modules (Optional)	Wi-Fi / GPRS		