



# HF series-LV

## All in one solar charger

HF4850S80-145      HF2430S60-100  
HF4830S60-145



230V



48V



3-5kW



500V



IP20

### / 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, 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	HF4850S80-145	HF4830S60-145	HF2430S60-100	CAN BESET
<b>INVERTER OUTPUT</b>				
Rated Output Power	5,000W	3,000W	3,000W	
Max.Peak Power	10,000VA	6,000VA	6,000VA	
Rated Output Voltage	230Vac (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)			
<b>BATTERY</b>				
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		✓
Max.Mains/Generator Charging Current	60A		80A	✓
Max.Hybrid Charging Current	140A	120A	140A	✓
<b>PV INPUT</b>				
Num. of MPPT Trackers	1			
Max.PV Array Power	4,400W	3,400W	1,600W	
Max.Input Current	50A	40A		
Max.Voltage of Open Circuit	145Vdc		100Vdc	
MPPT Voltage Range	60~115Vdc		30~85Vdc	
<b>MAINS/GENERATOR INPUT</b>				
Input Voltage Range	UPS: 170~280Vac APL: 90~280Vac			✓
Frequency Range	50Hz/60Hz			✓
Bypass Overload Current	40A	30A		
<b>EFFICIENCY</b>				
MPPT Tracking Efficiency	99.9%			
Max. Battery Inverter Efficiency	92%			
<b>GENERAL</b>				
Dimensions	426*322*124mm	378*280*103mm		
Weight	10.8kg	6.2kg		
Protection Degree	IP20, Indor Only			
Operating Temperature Range	-15°C~55°C			
Noise	<60dB			
Cooling Method	Internal Fan			
Warranty	1 Year			
<b>COMMUNICATION</b>				
Embedded Interfaces	RS485/CAN/USB/Dry contact			
External Modules (Optional)	Wi-Fi/GPRS			
<b>CERTIFACATION</b>				
Safety	IEC 62109, SAA	IEC 62109	IEC 62109, IEC 61683	
EMC	EN61000, FCC Part15 ClassB		EN61000	
RoHS	Yes			