



HF series High PV voltage

All in one solar charge inverter

HF4850S80-H

HF2430S80-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

GWOFFGRID

MODEL	HF4850S80-H	HF2430S80-H	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	5,000W	3,300W	
Max.Peak Power	10,000VA	6,000VA	
Rated Output Voltage	230Vac (L/N/PE single phase)		√
Load Capacity of Motors	4HP	2HP	
Rated AC Frequency	50Hz/60Hz		
Waveform	Pure Sine Wave		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	KiJo 48-100/Li-ion/Lead-Acid/User Defined		√
Rated Battery Voltage	48Vdc	24Vdc	
Voltage Range	40~60Vdc	20~33Vdc	√
Max.MPPT Charging Current		80A	√
Max.Mains/Generator Charging Current	60A	80A	√
Max.Hybrid Charging Current		80A	√
PV INPUT			
Num. of MPPT Trackers	1		
Max.PV Array Power	5,200W	4,000W	
Max.Input Current	18A	13A	
Max.Voltage of Open Circuit	500Vdc		
MPPT Voltage Range	120~450Vdc		
MAINS/GENERATOR INPUT			
Input Voltage Range	UPS: 170~280Vac APL: 90~280Vac		√
Frequency Range	50Hz/60Hz		√
Bypass Overload Current	40A	30A	
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	426*322*126mm	378*280*103mm	
Weight	10.9kg	6.9kg	
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-15°C~55°C	-10°C~55°C	
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	5 years		
COMMUNICATION			
Embedded Interfaces	RS485/CAN/USB/Dry contact		
External Modules (Optional)	Wi-Fi		