



HF series

Low PV voltage

solar storage inverter (for residential)

HF2430U60-100

HF4835U80-145



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	HF4835U80-145	HF2430U60-100	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	3,500W	3,000W	
Max.Peak Power	6,000VA		
Rated Output Voltage	120Vac (L/N/PE single phase)		✓
Load Capacity of Motors	2HP		
Rated AC Frequency	50Hz/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
BATTERY			
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		40A	✓
Max.Hybrid Charging Current	120A	100A	✓
PV INPUT			
Num. of MPPT Trackers	1		
Max.PV Array Power	4,400W	1,600W	
Max.Input Current	50A	40A	
Max.Voltage of Open Circuit	145Vdc	100Vdc	
MPPT Voltage Range	60~115Vdc	30~85Vdc	
MAINS/GENERATOR INPUT			
Input Voltage Range	90~140Vac		✓
Frequency Range	50Hz/60Hz		✓
Bypass Overload Current		40A	
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	426*322*124mm (1.3*1*0.4ft)	378*280*103mm (1.2*0.9*0.3ft)	
Weight	10.8kg (23.8lb)	6.8kg (14.9lb)	
Protection Degree		IP20, indoor only	
Operating Temperature Range		-15°C~55°C (5°F~55°F)	
Noise		<60dB	
Cooling Method		Internal fan	
Warranty		2 years	
COMMUNICATION			
Embedded Interfaces		RS485/CAN/USB/Dry contact	
External Modules (Optional)		Wi-Fi/GPRS	