



SFH 5000U(US)

Solar storage inverter

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
- Multiple safety approvals available

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

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	HSI 5000U	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max. Peak Power	11,000VA	
Rated Output Voltage	120Vac	✓
Load Capacity of Motors	4HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
BATTERY		
Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	48V	
Voltage Range	40~60Vdc	✓
Max. MPPT Charging Current	80A	✓
Max. Mains/Generator Charging Current	40A	✓
Max. Hybrid Charging Current	80A	✓
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	6,000W	
Max.Input Current	22A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120~450Vdc	
UTILITY/ GENERATOR INPUT		
Input Voltage Range	90~140Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	426*322*126mm (1.40*1.06*0.41ft)	
Weight	11.6kg (25.57lb)	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-10°C~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	18 Months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
CERTIFICATION		
Safety	CE(IEC 62109-1)/CETL(UL1741 C22.2 NO.107.1)/FCC/SAA	
EMC	EN61000	
RoHS	Yes	