



HF 3kW

Single-Phase off-grid Solar Storage Inverter

- ☐ Compatible with 24V storage batteries
- ☐ Multiple charging and on-load modes to maximise energy use
- ☐ Efficient heat dissipation, prolonging system life
- ☐ Support remote monitoring of equipment operating parameters

ABOUT SRNE

- ☐ SRNE 15 years in PV industry, committed to independent R&D and production.
- ☐ Holds over 200 patents in energy storage, with unique industry-leading technologies.
- ☐ Chooses top-quality international components to deliver high-value products to customers.
- ☐ Upholds values of customer priority, proactivity, responsibility, and innovative breakthroughs.

MODEL		HF2430U80–H	
INVERTER OUTPUT			
Rated Output Power		3,000W	
Max.Peak Power		6,000VA	
Rated Output Voltage		120Vac (Single–Phase)	
Load Motor Capacity		2HP	
Rated Frequency		50/60Hz	
Waveform		Pure sine wave	
Switch Time		10ms (typical)	
BATTERY			
Battery Type		Lead–acid batteries / Lithium–ion batteries / User–defined	
Rated Battery Voltage		24V	
Battery Volatge Range		20~33Vdc	
Max. Solar Charging Current		80A	
Max. Grid/Generator Charging Current		40A	
Max. Hybrid Charging Current		80A	
SOLAR INPUT			
No. Of MPPT		1	
Max.PV Array Power		4,000W	
Max. Input Current		13A	
Max. Open Circuit Voltage		500Vdc	
MPPT Voltage Range		120~450Vdc	
GRID/GENERATOR INPUT			
Input Voltage Range		90~140Vac	
Input Frequency Range		50/60Hz	
Bypass Overload Current		40A	
EFFICIENCY			
MPPT Tracking Efficiency		99.9%	
Max. Efficiency		92%	
GENERAL DATA			
Dimension	378*280*103mm	Moisture	0~100%
Weight	8 kg	Cooling Method	Fan Cooling
Protection Degree	IP20 Only Indoor	Warranty	1 year
Temperature	–15℃~55℃	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi–Fi/GPRS	Topology	Transformerless
Certificate	cETL UL1741 & CSA C22.2/PSE Circular Certification		

PROTECTION

Equipped with PV current limit and power limit protection, PV night anti-reverse charging protection, utility input over-voltage protection, utility input under-voltage protection, battery over-voltage protection, battery under-voltage protection, load output short-circuit protection, radiator over-temperature protection, over-load protection, PV anti-reverse protection, AC back-filling protection, bypass overcurrent protection, battery input overcurrent protection, battery input protection, charging short-circuit protection.,