



HF 3.3kW

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 16 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	HF2430S80-H
INVERTER OUTPUT	
Rated Output Power	3300W
Max.Peak Power	6000VA
Rated Output Voltage	230Vac (Single-Phase)
Load Motor Capacity	2HP
Rated Frequency	50/60Hz
Waveform	Pure sine wave
Switch Time	10ms (typical)
BATTERY	
Battery Type	Lead-Acid / Li-ion / User-Define
Rated Battery Voltage	24V
Battery Volatge Range	20~33Vdc
Max. Grid/Generator Charging Current	80A
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	120~500Vdc
GRID/GENERATOR INPUT	
Input Voltage Range	170~280Vac
Input Frequency Range	50/60Hz
Bypass Overload Current	30A
EFFICIENCY	
MPPT Tracking Efficiency	99.9%
Max. Efficiency	92%

GENERAL DATA			
Dimension	378*280*103mm	Moisture	0~100%
Weight	7.4kg	Cooling Method	Fan Cooling
Protection Degree	IP20 Only Indoor		
Temperature	-10°C~55°C	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Certificate	RoHs/EN61000/FCC Part15 ClassB/IEC 62109/IEC 62040/IEC 62477/SAA/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,.