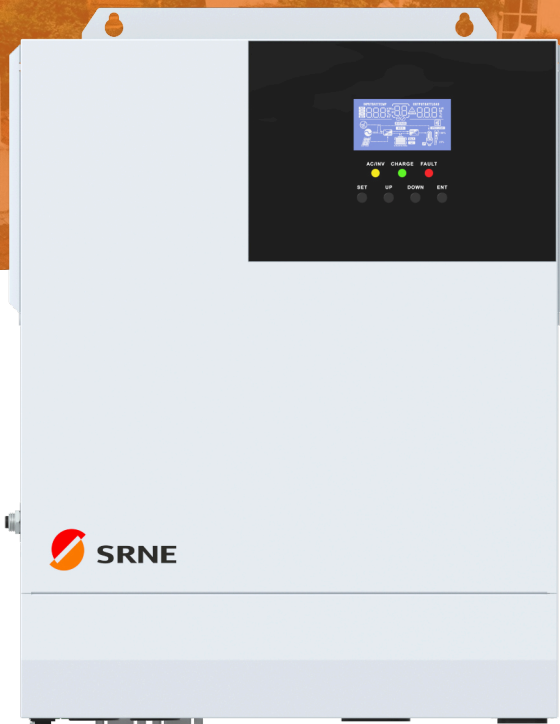


HFP 5kW

Single-Phase off-grid Solar Storage Inverter

- Compatible with 48V 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		HFP4850S80-H	
INVERTER OUTPUT			
Rated Output Power	5,000W		
Max.Peak Power	10000VA		
Rated Output Voltage	230Vac±5% (Single-Phase/Three-Phase(Parallel))		
Load Motor Capacity	4HP		
Rated Frequency	50/60Hz ±0.3		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Lead-Acid / Li-ion / User-Define		
Rated Battery Voltage	48V		
Battery Volatge Range	40.0Vdc~60Vdc ± 0.6Vdc		
Max. Solar Charging Current	80A		
Max. Grid/Generator Charging Current	60A		
Max. Hybrid Charging Current	80A		
SOLAR INPUT			
No. Of MPPT	1		
Max.PV Array Power	5,500W		
Max. Input Current	22A		
Max. Open Circuit Voltage	500Vdc		
MPPT Voltage Range	120~450Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	40A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	97.5%		
GENERAL DATA			
Dimension	426mm*322mm*124mm	Parallel Capacity	1~6 Units
Weight	10.5 kg	Cooling Method	Fan Cooling
Protection Degree	IP20 Only Indoor	Warranty	2 years
Humidity range	0~100%	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Temperature	-10°C~55°C		
Certificate	RoHs/EN61000/FCC Part15 ClassB/IEC 62109/IEC 62040/IEC 62477/SAA/cETL UL1741 & CSA C22.2		
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, CAN communication loss protection, parallel wiring fault protection, parallel battery voltage difference fault protection, parallel utility voltage difference fault protection, parallel equalisation fault protection, and synchronisation signal fault protection.