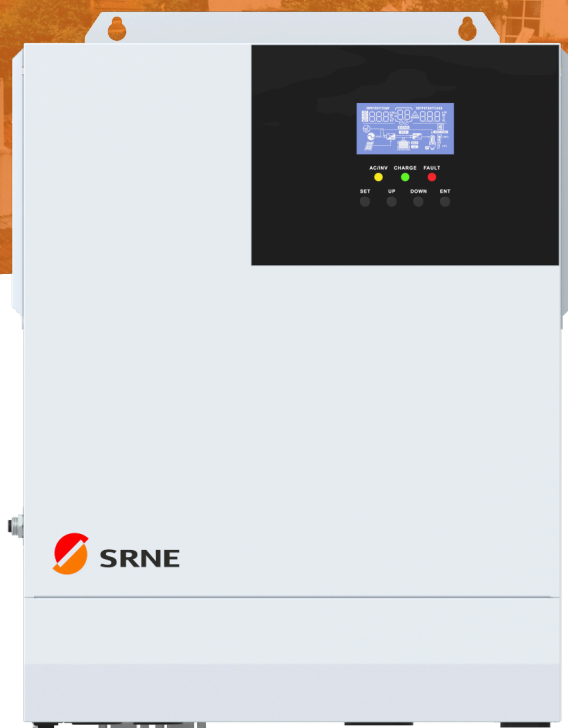




# HFP 5kW

## 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	
Waveform		Pure sine wave	
Switch Time		10ms (typical)	
BATTERY			
Battery Type		Lead-Acid / Li-ion / User-Define	
Rated Battery Voltage		48V	
Battery Volatge Range		40-60Vdc	
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	Temperature	-10℃~55℃
Certificate	CE(IEC62109-1)/CETL(UL1741C22.2NO.107.1)/FCC/SAA		
PROTECTION			

Battery Discharge Average Current Overcurrent Software Protection, Battery Overcurrent Hardware Protection, Charging Overvoltage Protection, Internal Battery Boost Circuit Overvoltage Hardware Protection, Internal Battery Boost Circuit Overvoltage Software Protection, Solar Input Voltage Overvoltage Protection, Solar Charging Overcurrent Software Protection, Solar Charging Overcurrent Hardware Protection, Bypass AC Output Overload Protection, Inverter AC Output Overload Protection, Inverter AC Output Overcurrent Hardware protection, inverter AC output short circuit protection, solar charging radiator over-temperature protection, inverter AC output with load or AC charging radiator over-temperature protection