



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°C~55°C
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			