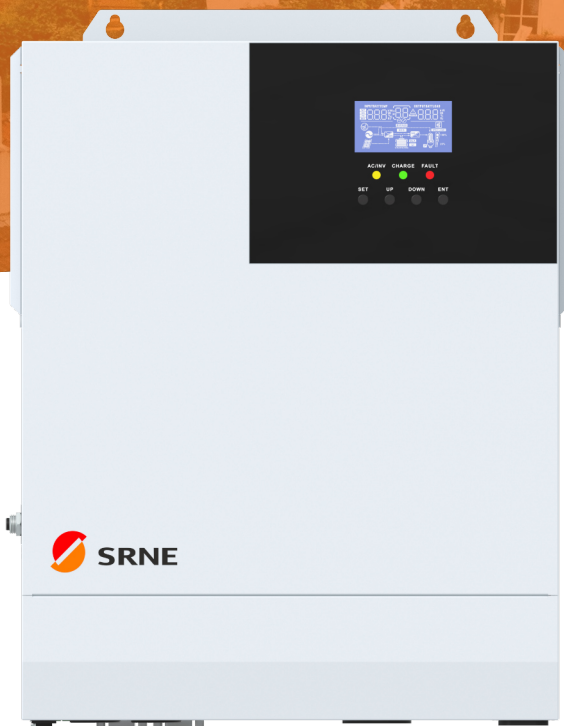




HFP 5kW

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		HFP4850S80-145	
INVERTER OUTPUT			
Rated Output Power		5,000W	
Max.Peak Power		10000VA	
Rated Output Voltage		230Vac±5% (Single-Phase/Three-Phase (Parallel))	
Load Motor Capacity		3HP	
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		140A	
SOLAR INPUT			
No. Of MPPT		1	
Max.PV Array Power		4,400W	
Max. Input Current		50A	
Max. Open Circuit Voltage		145Vdc	
MPPT Voltage Range		60-115Vdc	
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	USB/RS485(/WiFi/GPRS)/dry contact
External Module (Optional)	Wi-Fi/GPRS	Temperature	-10℃~55℃
Certificate	CE(IEC62109-1)/FCC		
PROTECTION			

PV current limit/power limit protection, Pv night anti-reverse charging protection, utility input over-voltage protection, utility input over-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 over-current protection, battery input over-current 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, synchronisation signal fault protection.