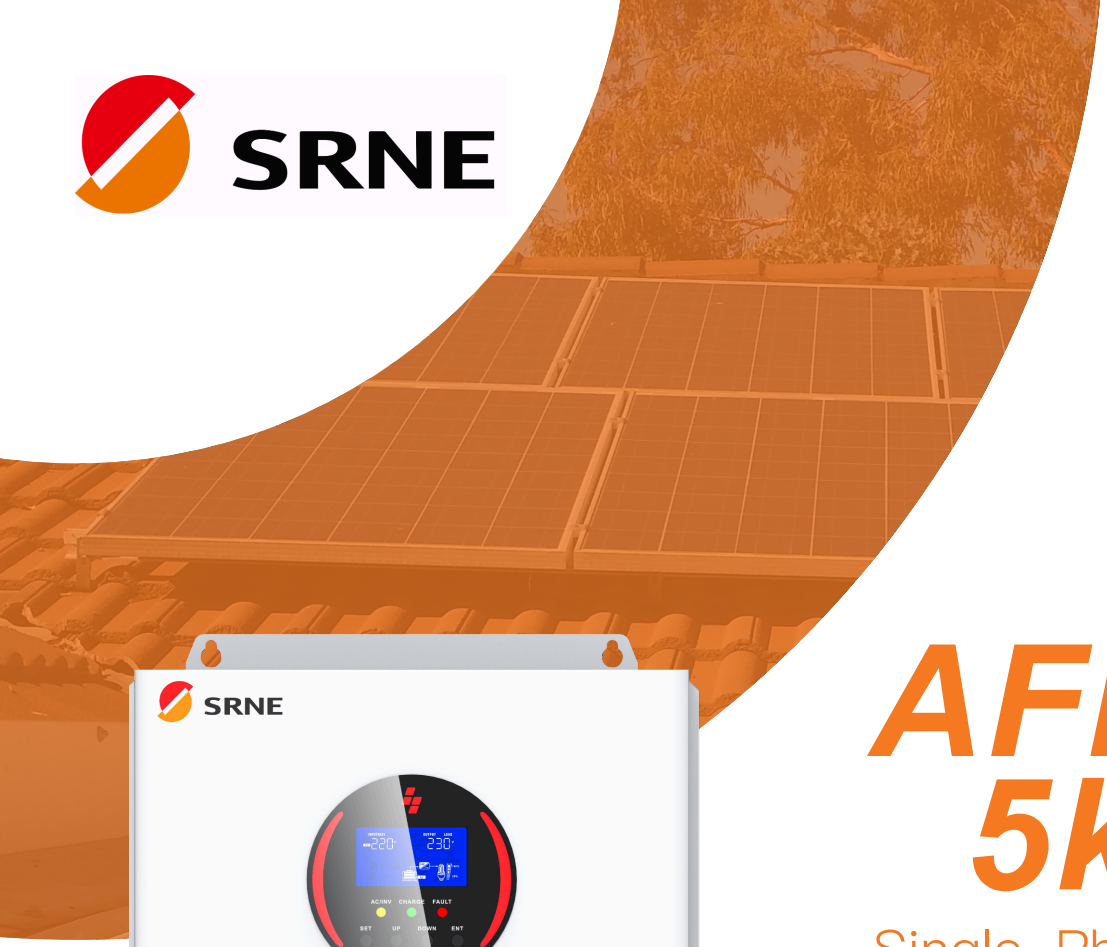
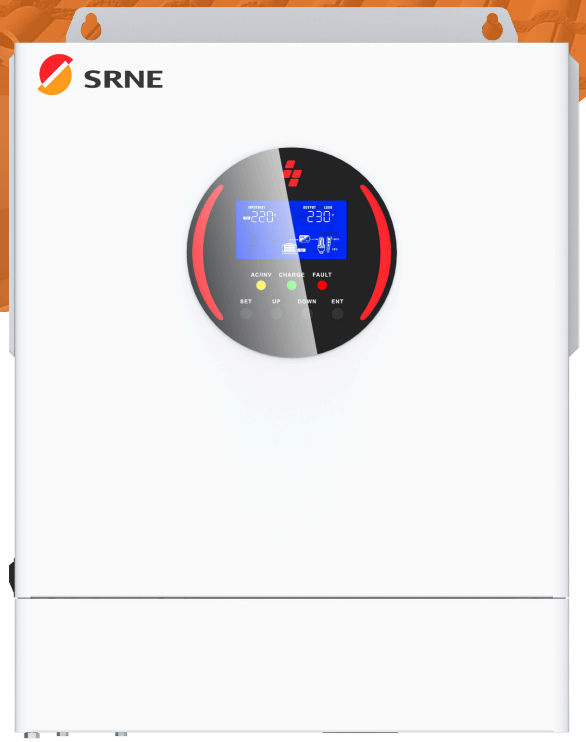
SRNE





2 YEARS WARRANTY

AFP 5kW

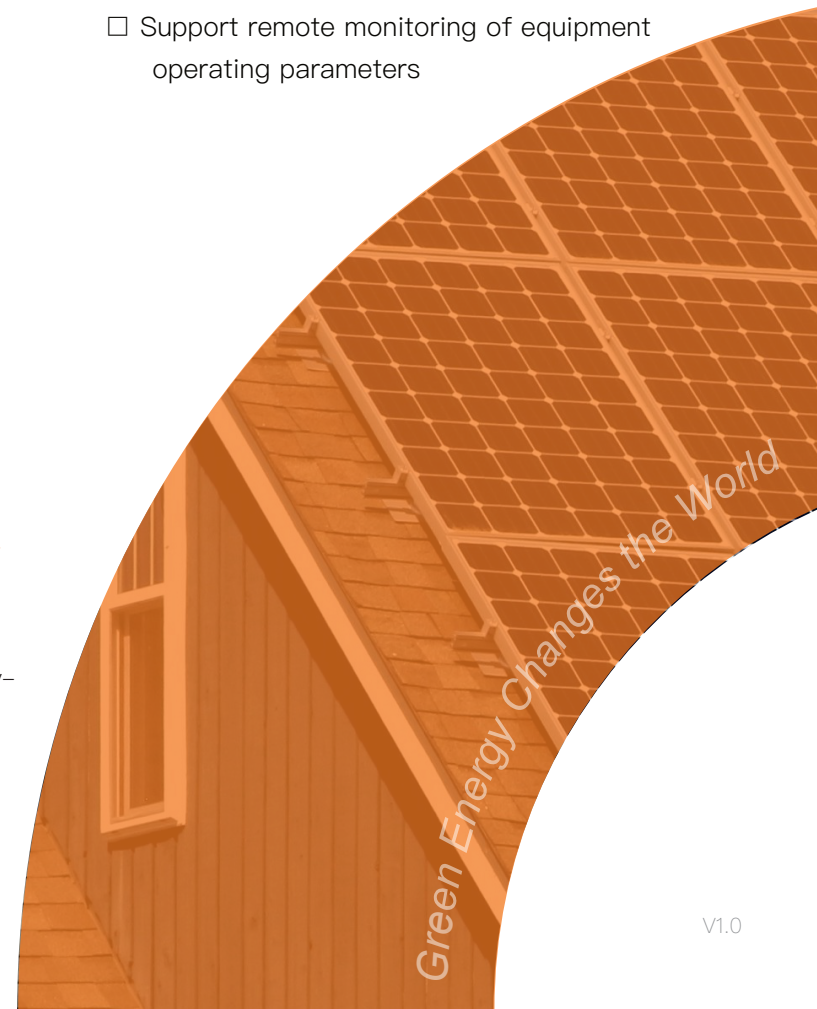
Single-Phase off-grid Solar Storage Inverter

- ☐ 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 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.

SRNE Solar Co,.ltd.
www.srnesolar.com



MODEL	AFP4850S100-H
INVERTER OUTPUT	
Rated Output Power	5000W
Max.Peak Power	10000VA
Rated Output Voltage	230Vac
Load Motor Capacity	4HP
Rated Frequency	50Hz ± 0.3Hz/60Hz ± 0.3Hz
Waveform	Pure sine wave
Switch Time	10ms
BATTERY	
Battery Type	Lead-Acid / Li-ion
Rated Battery Voltage	48V
Battery Volatge Range	40~58Vdc
Max. Grid/Generator Charging Current	60A
Max. Hybrid Charging Current	100A
SOLAR INPUT	
No. Of MPPT	1
Max. PV Input Power	7500W
Max. Input Current	22A
Max. Open Circuit Voltage	500Vdc
MPPT Voltage Range	60~450Vdc
GRID/GENERATOR INPUT	
Input Voltage Range	90Vac~280Vac(±2%)
Input Frequency Range	50Hz/60Hz(auto-detect)
Bypass Overload Current	40A
EFFICIENCY	
MPPT Tracking Efficiency	99.9%
Max. Efficiency	>92%

GENERAL DATA			
Dimension	359.5*210*133mm	Humidity Range	5% to 95% (Protected by three-proof paint)
Weight	10 kg	Heat Dissipation	Forced air cooling with adjustable air speed
Protection Degree	IP20 Only Indoor	Warranty	2 years
Temperature	-10℃~55℃, >45℃ Derating	Communication	USB/RS485/WiFi/Dry Control
Noise	⩽60dB		
Certificate	IEC62109-1, IEC62109-2， EN61000-6-1, EN61000-6-3, FCC 15 class B		

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,.