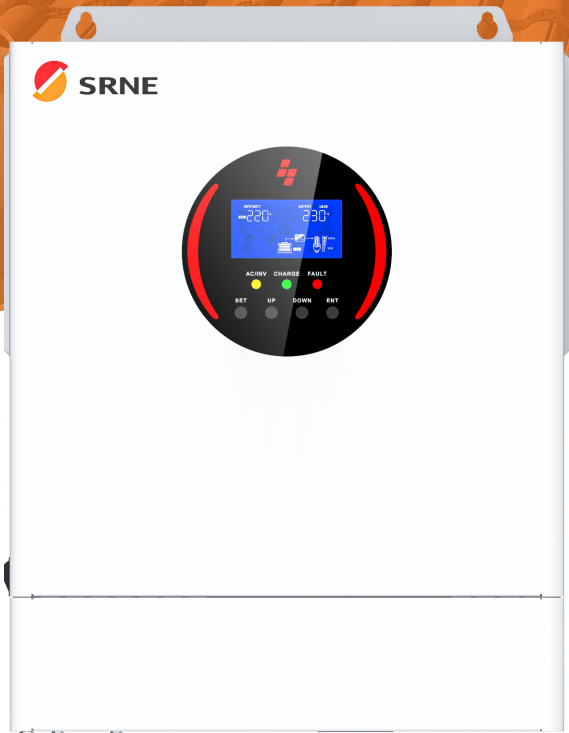


AFP 3.5kW

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 17 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		AFP4835U80-H	
INVERTER OUTPUT			
Rated Output Power	3500W		
Max. Peak Power	2 × rated power, 5s		
Rated Output Voltage	110/120Vac (L+N+PE)		
Rated Grid Output Current	29.2Aac		
Max. Grid Output Current	40Aac		
Motor Startup Capacity	2HP		
Rated Frequency	50/60Hz ±0.3Hz		
Output Waveform	Pure sine wave		
THD	<3%		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Lead-acid or lithium battery		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40–60Vdc		
Max. Grid/Generator Charging Current	80Aac		
Max. Charging/Discharging Current	80Aac		
SOLAR INPUT			
No. of MPPT Trackers	1		
Max. PV Input Power	7000W		
Max. Input Current	30Aac		
Max. PV Open Circuit Voltage	500Vdc		
MPPT Voltage Range	60–450Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	UPS: 90–140Vac; APL: 65–140Vac		
Input Frequency Range	50Hz/60Hz		
Bypass Overload Current	40Aac		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	>92%		

GENERAL DATA			
Parallel Capacity	1~6 Units		
Dimension	14.2"x11.4"x5.5"	Humidity Range	5% to 95%
Weight	20 lbs	Cooling Method	Intelligent Air Cooling
Protection Degree	IP20 Only Indoor	Warranty	2 years
Temperature	5~131 , >113°F Derated	Communication	RS485/CAN
Noise	≤60dB	External Module (Optional)	Wi-Fi/GPRS
Certificate	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3, FCC 15 class B, inmetro 140+515		

PROTECTION			
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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, charging short-circuit protection.