



ASF 8-12kW

Three-phase Off-grid Solar Storage Inverter

- Compatible with 48V storage batteries
- 2 efficient, independent MPPT ports
- 400V three-phase power system, efficient, stable and reliable
- Up to 22A+22A PV input current
- Up to 800V PV input voltage
- Up to 12kW load power

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	ASF4880SH3	ASF48100SH3	ASF48120SH3
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	12,000W
Max. Output Power	16,000VA	20,000VA	24,000VA
Rated Output Voltage	230/400Vac, Three-phase		
Load capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		
Waveform	pure sine wave		
Output Mode	Off-grid (default) / power the load without battery		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Li-ion / Lead-acid / User-defined		
Rated Battery Voltage	48V		
Battery Voltage Range	40~60Vdc		
Max. Solar Charging Current	180A	220A	260A
Max. Grid/Generator Charging Current	100A	120A	120A
Max. Hybrid Charging Current	180A	220A	260A
SOLAR INPUT			
No. Of MPPT	2		
Max. PV Array Power	6,000W+6,000W	7,500W+7,500W	9,000W+9,000W
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	800Vdc+800Vdc		
MPPT Voltage Range	200~650Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	phase voltage 170~280V, line voltage 305~485V		
Input Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	92%		
European Efficiency	97.2%	97.5%	
GENERAL DATA			
Dimension	620*445*130mm	Noise	<60dB
Weight	27kg	Cooling Method	air cooling
Protection Degree	IP20 Indoor Only	Warranty	2 years
Temperature	-10~55°C, >45°C Derate	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Certificate	IEC62109-1/IEC62109-2/UL1741/RoHs/EN61000-6-1/EN61000-6-3/FCC 15 class B		
PROTECTION			

Has PV input current limiting protection, PV input over-voltage, PV night reverse current protection, AC input over-voltage protection, AC input under-voltage protection, Battery over-voltage protection, Battery under-voltage protection, Battery over-current protection, AC output short-circuit protection, Heat sink over-temperature protection, Inverter over-load protection.