



ASF 8-10kW

Single-Phase Off-grid Solar Storage Inverter

- Compatible with 48V storage batteries
- 2 efficient, independent MPPT ports
- Aesthetically industrial design appearance
- Up to 22A+22A PV input current
- Time-slot function to save cost with peak-valley
- Up to 10kW 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	ASF4880S180-H		ASF48100S200-H	
INVERTER OUTPUT				
Rated Output Power	8,000W		10,000W	
Max. Output Power	16,000VA		20,000VA	
Rated Output Voltage	230Vac, Single-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		200A	
Max. Grid/Generator Charging Current	100A		120A	
Max. Hybrid Charging Current	180A		200A	
SOLAR INPUT				
No. Of MPPT	2			
Max. PV Array Power	5,500W+5,500W			
Max. Input Current	22A+22A			
Max. Open Circuit Voltage	500Vdc+500Vdc			
MPPT Voltage Range	125~425Vdc			
GRID/GENERATOR INPUT				
Input Voltage Range	90~275Vdc			
Input Frequency Range	50/60Hz			
Bypass Overload Current	63A			
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	92%			
GENERAL DATA				
Dimension	620*445*130mm	Noise	<60dB	
Weight	27kg	Cooling Method	Built-in fan	
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.				