



ASP-Pro 12kW

Single-Phase Off-grid Solar Storage Inverter

- ☐ Compatible with 48V storage batteries
- ☐ 2 independent MPPT ports, efficiency up to 99.9%
- ☐ Max. Input Current per MPPT 22A
- ☐ Max. 63A Bypass Current Input
- ☐ Max. support for 6 units parallel
- ☐ 2 power supply modes: PV-only, hybrid charging
- ☐ External Load Anti-Backflow Protection
- ☐ Dual activation function for lithium batteries
- ☐ Generator Port with Smart Load Compatibility
- ☐ Time-Sharing Charging/Discharging Settings & Energy-Saving Mode
- ☐ Independent generator interface
- ☐ Aesthetically industrial design appearance

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.

Model	ASP48120S200-Pro
INVERTER OUTPUT	
Rated Output Power	12000W
Max. Output Power	24000VA
Rated Output Voltage	230Vac (Single-phase)
Load capacity of Motors	6HP
Rated AC Frequency	50/60Hz
Waveform	Pure sine wave
Switch Time	10ms (typical)
BATTERY	
Battery Type	Li-ion / Lead-acid / User-defined
Rated Battery Voltage	48Vdc
Battery Volatge Range	40-60Vdc
Max. Grid/Generator Charging Current	150Adc
Max. Hybrid Charging Current	200Adc
SOLAR INPUT	
No. Of MPPT	2
Max. PV Array Power	6600W+6600W
Max. Input Current	22A+22A
Max. Open Circuit Voltage	500Vdc/500Vdc
MPPT Voltage Range	125-425Vdc/125-425Vdc
GRID/GENERATOR INPUT	
Input Voltage Range	90-275Vac
Input Frequency Range	50/60Hz
Bypass Overload Current	63A
EFFICIENCY	
MPPT Tracking Efficiency	99.9%
Max. Efficiency	92%

GENERAL DATA			
Parallel Capacity		1~6 Units	
Dimension	620x445x130mm	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		
Certificate	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3, RoHS		

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.