



SRNE



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 Voltage 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.						