



ASP 12kW

Three-Phase Off-Grid Solar Storage Inverter

- ☐ Supports parallel operation with power up to 72kW
- ☐ With Li-ion battery dual activation function
- ☐ Support three-phase pure sine wave output
- ☐ LCD large-screen dynamic flowchart design
- ☐ Supports 2 high efficient MPPT inputs
- ☐ Supports 4 charging modes

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			ASP48120SH3
AC OUTPUT			
Rated Output Power			12,000W
Max. Output Power			24,000VA
Rated Output Voltage	230/400Vac (three-Phase)		
Load Motor Capacity		6HP	
Rated Frequency	50/60Hz ±0.3		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		
Rated Battery Voltage	48V		
Battery Volatge Range	40~60Vdc		
Max. Grid/Generator Charging Current			120A
Max. Hybrid Charging Current			260A
SOLAR INPUT			
No. Of MPPT	2		
Max. Input Power			9,000W+9,000W
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	800Vdc+800Vdc		
MPPT Voltage Range	200~650Vdc/200~650Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	Phase voltage 170~280V, Line voltage 305~485V		
Input Frequency Range	50/60Hz		
Bypass Overload Current			35A
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	≥92%		
European Efficiency		97.5%	

GENERAL DATA			
Parallel Capacity	1~6 Units		
Dimension	620*445*130mm	Humidity	0~100%
Weight	27kg	Cooling Method	Fan cooling
Protection Degree	IP20	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/EN61000/RoHS		

PROTECTION

With PV input current/power limiting protection, PV input over-voltage, Anti-reverse charge protection at night, 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, nverter over-load protection, AC output reverse, Bypass over-current protection, Bypass phase inconsistency protection.