



ASP 15~18kW

Three-Phase Off-Grid Solar Storage Inverter

- ☐ 2+2 High-Efficiency MPPT Input, efficiency up to 99.9%
- ☐ Max. Input Current per MPPT 36A
- ☐ 2x Rated Power Input (Grid/Generator)
- ☐ Max. 100A Bypass Current Input (Grid/Generator)
- ☐ Single-phase overload up to 150%
- ☐ Max. support for 6 units parallel, Scalable to 108kW for commercial applications
- ☐ No Neutral Connection Required
- ☐ 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
- ☐ Three-phase pure sine wave output
- ☐ Time-Sharing Charging/Discharging Settings & Energy-Saving Mode
- ☐ Independent generator interface

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	ASP48150UH3	ASP48160UH3	ASP48180UH3
AC OUTPUT			
Rated AC Output Power	15000W	16000W	18000W
Max. AC Output Power	16500VA	17600VA	19800VA
Peak Power(off grid)	2 times rated power, 10s		
Rated AC Output Current	41.7A	44.5A	50A
Rated Output Frequency	50/60Hz		
Rated Output Voltage	120/208Vac (L1+L2+L3+N+PE)		
Output Voltage Range	120/208Vac ± 5%		
BATTERY			
Battery Type	Lead–Acid Battery / Lithium–Ion Battery / User Defined		
Rated Battery Voltage	48V		
Battery Voltage Range	40~60V		
Max. PV Charging Current	320A	360A	360A
Max. Grid/Generator Charging Current	320A	360A	360A
Max. Charging/Discharging Current	320A	360A	360A
Charging Curve	3 Stages / Equalization		
Charging Strategy for Li–Ion Battery	Self–adaption to BMS		
PV INPUT			
No. of MPPT Trackers	2		
Max. PV Input Power	14.4kW + 14.4kW		
Input Current	36A+36A		
Min. PV Input Voltage / Start–up Voltage	100V		
Max. PV Open–Circuit Voltage	600V		
MPPT Operating Voltage Range	120~550V		
GRID/GENERATOR INPUT			
Rated Input Frequency	50/60Hz		
Rated Input Voltage	120/208Vac (L1+L2+L3+N+PE)		
AC Voltage Range	Phase Voltage 90~140Vac; Line Voltage 156~242Vac		
Bypass Overload Current	100A		
EFFICIENCY			
MPPT Tracking Efficiency	>99%		
Max. Efficiency	97.6%		

BASIC DATA			
Parallel Capacity	1~6 units		
Dimensions (W*H*D)	593.4*848.4*215mm	Cooling Method	Intelligent Air Cooling
Weight	52kg	Communication Interface	RS485/CAN/WI-FI
Operating Temperature	-10~55℃, >45℃ Derated	External Modules (Optional)	Wi-Fi/4G Stick
Protection Degree	IP20		
Certification	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3, RoHS, FCC 15 class B		
Protection Functions			

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, inverter over-load protection, AC output reverse, Bypass over-current protection, Bypass phase inconsistency protection.