



ASP 14-16kW

Single-Phase Off-grid Solar Storage Inverter

- Compatible with 48V storage batteries
- 2 High-Efficiency MPPT Input, efficiency up to 99%
- Max. 100A Bypass Current Input (Grid)
- Max. support for 6 units parallel, Scalable to 96kW for commercial applicationsA
- Dual activation function for lithium batteries
- 2 power supply modes: PV-only, hybrid charging
- Time-Sharing Charging/Discharging Settings & Energy Saving Mode
- Independent generator interface
- WiFi data loggers, RSD, AFCI, and GFCI function
- PV uses MC4 connectors for easy installation and maintenance

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	ASP48140S300-H	ASP48150S300-H	ASP48160S300-H
AC OUTPUT			
Rated Output Power	14000W	15000W	16000W
Max. Peak Power	2 times rated power, 10s		
Max. Apparent Power	14000VA	15000VA	16000VA
Rated Output Voltage	230Vac (L+N+PE)		
Rated Output Current	60.9Aac	65.2Aac	69.6Aac
Load Motor Capacity	9HP		
Rated 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	40Vdc~60Vdc		
Max. Grid/Generator Charging Current	300Aac	300Aac	300Aac
Max. Charging/Discharging Current	300Aac	300Aac	300Aac
SOLAR INPUT			
No. Of MPPT	2		
Max. PV Input Power	12000W + 12000W		
Max. PV Input Current	36Aac + 36Aac		
PV Short-circuit Current	50Aac + 50Aac		
PV Start-up Voltage	90Vdc / 90Vdc		
Max. PV Open-Circuit Voltage	650Vdc / 650Vdc		
MPPT Operating Voltage Range	120Vdc~600Vdc / 120Vdc~600Vdc		
GRID/GENERATOR INPUT			
Rated Input Voltage	230Vac (L+N+PE)		
Input Voltage Range	90Vac~280Vac		
Rated Input Frequency	50Hz/60Hz		
Bypass Overload Current (Grid)	100Aac		
Bypass Overload Current (Generator)	60.9Aac	65.2Aac	69.6Aac
EFFICIENCY			
MPPT Tracking Efficiency	>99%		
Max. Inverter Efficiency	94.3%		
Max. Charging Efficiency	93.4%		

GENERAL DATA			
Parallel Capacity	1~6 Units		
Dimension (W*H*D)	514*804*215mm	Altitude	2000m
Weight	46.3kg	Cooling Method	Intelligent Air Cooling
Protection Degree	IP20 Indoor Only	Warranty	2 years
Temperature	-10~55°C, >45°C Derated	Communication	RS485/CAN/USB/Dry Contact
Noise	<60dB	External Module (Optional)	Wi-Fi/4G Stick
Certificate	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3		

PROTECTION			
Has PV Current Limiting Protection, PV Overvoltage Protection, Night Anti - backcharging Protection, Mains Input Overvoltage Protection, Mains Input Undervoltage Protection, Battery Overvoltage Protection, Battery Undervoltage Protection, Battery Overcurrent Protection, AC Output Short - circuit Protection, Heat Sink Overtemperature Protection, Overload Protection, AC Backfeed Protection, Bypass Overcurrent Protection, Bypass Wiring Error Protection, Arc Fault Protection, Leakage Current Protection, Rapid Shutdown Signal Generator (Optional)			