SRNE

2 YEARS WARRANTY

ABP 4-6.5kW

Split/Single-Phase Off-grid Solar Storage Inverter

- ☐ Solar Charger Controller up to 140A charging current
- ☐ Optional CT improves safety and reliability
- ☐ Support SUB working mode: support Grid and PV hybrid charging
- ☐ Supports both mains and generator power input with intelligent switching
- ☐ Support time-sharing charge and discharge function
- ☐ Support 6 parallel machines up to 39kW

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.

SRNE Solar Co,.ltd.
www.srnesolar.com

Green Energy Changes the World

Model	ABP4840U100-H	ABP4850U120-H	ABP4860U140-H	ABP4865U140-H
INVERTER OUTPUT				
Rated Output Power	4,000W	5,000W	6,000W	6,500W
Max. Output Power	8,000VA	10,000VA	12,000VA	13,000VA
Rated Output Voltage	120Vac, single-phase/240Vac, split-phase			
Rated Frequency	50/60Hz			
Waveform	Pure sine wave			
Switch Time	10ms (typical)			
BATTERY				
Battery Type	Lithium - ion battery/lead - acid battery/user - defined battery			
Rated Battery Voltage	48V			
Battery Volatge Range	40～60Vdc			
Max. Grid/Generator Charging Current	60A	60A	80A	80A
Max. Hybrid Charging Current	100A	120A	140A	140A
SOLAR INPUT				
No. Of MPPT	1+1			
Max. PV Array Power	3,000W+3,000W	3,800W+3,800W	4,500W+4,500W	5,000W+5,000W
Max. Input Current	18A+18A			
Max. Open Circuit Voltage	550Vdc+550Vdc			
MPPT Voltage Range	150~450Vdc			
GRID/GENERATOR INPUT				
Input Voltage Range	65~140Vac			
Input Frequency Range	50/60Hz			
Bypass Overload Current	40A			
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	93%			

GENERAL DATA			
Parallel Capacity	1～6 Units (More than 3 units in parallel can form a three-phase output)		
Dimension	648*410*140 mm	Noise	<60dB
Weight	21.7 kg	Cooling Method	Intelligent 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	RoHs/EN61000-6-1/EC61000-6-3/FCC Part15 ClassB/IEC62109-1/IEC62109-2/UL1741		

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.