



# ABP 8-10kW

## Split/Single-Phase Off-grid Solar Storage Inverter

- ☐ Compatible with 48V storage batteries
- ☐ Solar Charger Controller up to 200A charging current
- ☐ Support SUB working mode: support Grid and PV hybrid charging
- ☐ Support time-sharing charge and discharge function
- ☐ Support 6 parallel machines up to 60kW

### 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.

Green Energy Changes the World

Model	ABP4880U180-H	ABP48100U200-H
Inverter output		
Rated Output Power	8,000W	10,000W
Max. Output Power	16,000VA	20,000VA
Rated Output Voltage	120/240 Vac (single-phase/split-phase)	
Load capacity of Motors	5 HP	6 HP
Rated Frequency	50/60Hz	
Output Wave	Pure sine wave	
Switching Time	10ms(typical value)	
BATTERY		
Battery Type	Lithium-ion battery/lead-acid battery/user-defined battery	
Rated Battery Voltage	48V	
Volatge Range	40~60Vdc	
Max. Solar Charging Current	180A	200A
Max. Grid/Generator Charging Current	100A	120A
Max. Mix Charge Current	180A	200A
SOLAR INPUT		
No. Of MPPT	1+1	
Max. Input Power	11,000W	
Max. Input Current	22/22A	
Max. Open Circuit Voltage	550Vdc	
MPPT Voltage Range	125~425Vdc	
GRID/GENERATOR INPUT		
Input Voltage Range	90~140Vac	
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 (More than 3 units in parallel can form a three-phase output)		
Dimension	723*448*150mm	Noise	<60dB
Weight	28kg	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	Integrated Circuit Breaker	Utility/Load/Battery/PV
Certificate	RoHs/EN61000-6-1/EC61000-6-3/FCC Part15 ClassB/IEC62109-1/IEC62109-2/UL1741		

#### OVERLOAD PROTECTION

After overload protection is enabled, the inverter output will be restored after 3 min, and after 5 times of overload, the output will be off until the inverter is restarted. (102%< load <110%): An error will be reported, and the output will be turned off after 5 min. (110%< load <125%): An error will be reported, and the output will be turned off after 10s. Load >125%: An error will be reported, and the output will be turned off after 5s.