



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 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 | 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 | 120/240 Vac (single-phase/split-phase) | | | |
| Load capacity of Motors | 50/60Hz | | | |
| Waveform | Pure sine wave | | | |
| Switch Time | 10ms(typical value) | | | |
| BATTERY | | | | |
| Battery Type | Lithium-ion battery/lead-acid battery/user-defined battery | | | |
| Rated Battery Voltage | 48V | | | |
| Battery Voltage 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 | 648mm*410 mm*140 mm | Noise | <60dB | |
| Weight | 21.7kg | 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 15 class B/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.