

AQ Wall-mounted & Floor-standing Battery Pack

5.12KWH -16KWH >>



Product Features

- ◆ **Lithium Iron Phosphate Battery Pack:** 80% DOD (Depth of Discharge), providing over 6000 cycles.
- ◆ **Warranty Period:** 3 years.
- ◆ **High Energy Density:** Compact size suitable for home use, offering long lifespan and superior safety.
- ◆ **Solar System Compatibility:** This battery pack is specifically designed for home solar systems.
- ◆ **Battery Management System (BMS):** The battery pack comes with a built-in BMS to monitor operation and prevent the battery from exceeding design limits.
- ◆ **Expansion Capability:** The battery pack can be easily expanded by adding additional expansion battery packs in parallel.
- ◆ **Customizable Panel Pattern:** The panel pattern can be customized to suit specific requirements.

Technical specifications

| Product Model: AQ | 24200/48100 | 48200 | 48314 |
|--------------------------------|---|-------------------|-------------------|
| Parameter | | | |
| Rated Power | 5.12KWH | 10.24KWH | 16KWH |
| Nominal Voltage | 25.6VDC / 51.2VDC | 51.2VDC | 51.2VDC |
| Operating Voltage | 22.4VDC / 28.8VDC / 44.8VDC - 57.6VDC | 44.8VDC - 57.6VDC | 44.8VDC - 57.6VDC |
| Battery Type | LiFePO4 Lithium Iron Phosphate | | |
| Battery Capacity | 200AH/100AH | 200AH | 314AH |
| Rated Energy | 5.12KWH | 10.24KWH | 16KWH |
| Battery Pack Type | 8S2P / 16S1P | 16S1P | 16S1P |
| SOC | 10 - 100% | | |
| Charging Current | 0.5C | | |
| Discharge Current | 0.5C | | |
| Battery Management System | Multi-point monitoring BMS management system | | |
| Expandable (parallel function) | Maximum 15 units | | |
| Protect | Battery undervoltage protection/battery overvoltage protection/battery overvoltage recovery voltage overload power protection/short circuit protection/temperature protection | | |
| Cycle Life(0.5c&25°C) | 6000 cycles@0.5C;80%DOD | | |
| Warranty | 3 years | | |
| Operating Temperature | Charge: 0-45°C, Discharge: -10-45°C | | |
| Storage Temperature | -20 ~ 50°C | | |
| Protection Grade | IP20 | | |
| Display | LCD | | |
| Cooling Method | Natural cooling | | |
| Communication | RS232/RS485/CAN communication (can communicate with mainstream inverters on the market) | | |
| Operating Temperature | -10 °C ~ 50°C | | |
| Relative Humidity | 0% - 95% No condensation | | |
| Related Certificates | MSDS, UN38.3, CE, IEC62619 (Battery) | | |
| Size | | | |
| Product Size(L*W*Hmm) | 612*385*220 | 640*413*265 | 806*420*250 |
| Packing Size(L*W*Hmm) | 680*457*385 | 728*520*450 | 870*530*450 |
| Net Weight(kg) | 52KG | 86KG | 117KG |
| Gross Weight(kg) | 62KG | 96KG | 137KG |
| Volume(m) | 0.13 | 0.18 | 0.21 |