

Pytes

E-BOX-48100R



Introduction

E-BOX series, the new generation LFP battery for home energy storage system. It provides safe, well-designed and high-performance standard LFP battery pack for you. The battery pack is compact, easy to install, free of maintenance, and could be deployed to the building block of energy storage system by being assembled in parallel. It is widely applied in home applications, small commercial and industrial energy storage system as well as Telecom stations.

Features



Self-Consumption

store excess energy generated by solar panels and use it whenever needed



Back-Up Power Supply

provide emergency power supply during grid outage



Electricity Bills Reduction

charge the battery during off-peak period and discharge the battery during peak period



Smart Energy Management

measure, monitor and manage the system in real-time
optimize the system life span by intelligent algorithms



Longest Life and Highest Safety

more than 6000 cycles @90%DOD



Wide Compatibility

compatible with 16 mainstream inverters in the market

10 Years Warranty



UN38.3

Technical Specifications

| Battery Model | E-BOX-48100R |
|---|--|
| Chemistry | LFP |
| Nominal Voltage | 51.2V |
| Voltage Range | 47.5V-58V |
| Nominal Capacity | 100Ah |
| Nominal Energy | 5.12kWh |
| Unit Dimension (L*W*H) | 17.32 * 24.41 * 4.61 inch (440 * 620 * 117 mm) |
| Unit Weight | 112.5lbs |
| Peak Discharge Rate | 102A (5.22kW@15s) |
| Maximum Continuous Charge/Discharge Rate | 50A (2.56kW DC) |
| Standard Continuous Charge/Discharge Rate | 50A (2.56kW DC) |
| Round-Trip Efficiency | ≥95% |
| Communication Protocol | RS232, RS485, CAN |
| Cycle Life | ≥6000cycle |
| Calendar Life | ≥10years |
| Operating Temperature | 14°F~122°F |
| Maximum Allowed Modules in Parallel | 8 pcs (41kWh) |
| Storage Temperature | <1month: -4~131°F, 1-3months: 32~95°F, 3-12months: 68~77°F |
| Certificates | UL9540, UL9540A, UL1973, SGIP, CEC |

Operation Panel

