

# 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

