

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

Technical Specifications

Battery Model	E-BOX 48100R
Chemistry	LFP
Nominal Voltage	51.2V (Range: 47.5V ~57.6V)
Rated DC Power	2.5kWh
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Unit Dimension	L440mm* W620mm* H117mm (2.6U)
Unit Weight	51kg
Standard Charge Current	50A
Maximum Charge Current	50A
Standard Discharge	50A
Maximum Discharge Rate	50A
Round-Trip Efficiency	≥95%
Communication Protocol	RS232, RS485, CAN
Cycle Life	≥6000cycles
Calendar Life	≥10years
Ambient Temperature	0°C~35°C
Depth of Discharge(DOD)	90%
Certificate	CE, IEC 62619, UL 1973, UL9540A, EESS (by UL 1973)

Operation Panel

