

# 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	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
Operating Temperature	-10°C~50°C
Connect style	Parallel
Storage Temperature	Within 1month: -20~55°C, 1-3months: 0~35°C, 3-12months: 20~25°C

# Operation Panel

