

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



Batteries

05-024528-11

E-BOX-4850

440mm * 420mm * 89mm (2U)
48V50Ah 2.4kWh



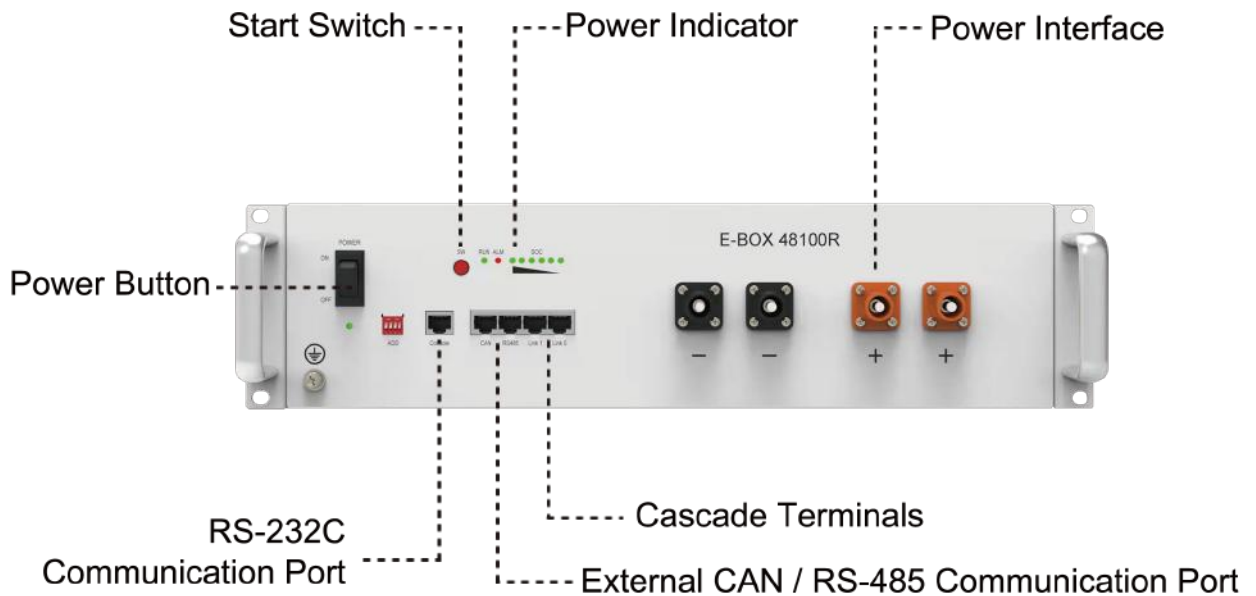
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E-BOX-48100R

L440mm* W620mm * H117mm (2.6U)
51.2V100Ah 5.12kWh

Operation Panel



Technical Specifications

Battery Model	E-BOX-48100R	E-BOX-4850
Chemistry	LFP	LFP
Nominal Voltage	51.2V	48V
Voltage Range	47.5V-57.6V	45V-54V
Nominal Capacity	100Ah	50Ah
Nominal Energy	5.12kWh	2.4kWh
Unit Dimension	L440mm* W620mm * H117mm (2.6U)	440mm* 420mm * 89mm (2U)
Unit Weight	51kg	25kg
Maximum Charge Current	100A	50A
Support Charge Current	50A	25A
Maximum Discharge	100A	50A
Support Discharge Rate	50A	25A
Round-Trip Efficiency	≥95%	≥95%
Communication Protocol	RS232, RS485, CAN	RS232, RS485, CAN
Cycle Life	≥6000cycles	≥6000cycles
Calendar Life	≥10years	≥10years
Operating Temperature	-10°C~50°C	-10°C~50°C
Connect style	Parallel	Parallel
Storage Temperature	Within 1month: -20~55°C, 1-3months: 0~35°C, 3-12months: 20~25°C	Within 1month: -20~55°C, 1-3months: 0~35°C, 3-12months: 20~25°C

