

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. The battery pack is compact, easy to install, free of maintenance and can be installed in parallel in the energy storage system to increase its capacity. It is widely applied in residential 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



Long-lasting Battery Module

integrated with tier 1 automotive LFP cells lifespan ≥ 6000 cycles



Wide Compatibility

compatible with most of inverters in the market

10 Years Warranty



UN38.3

Batteries

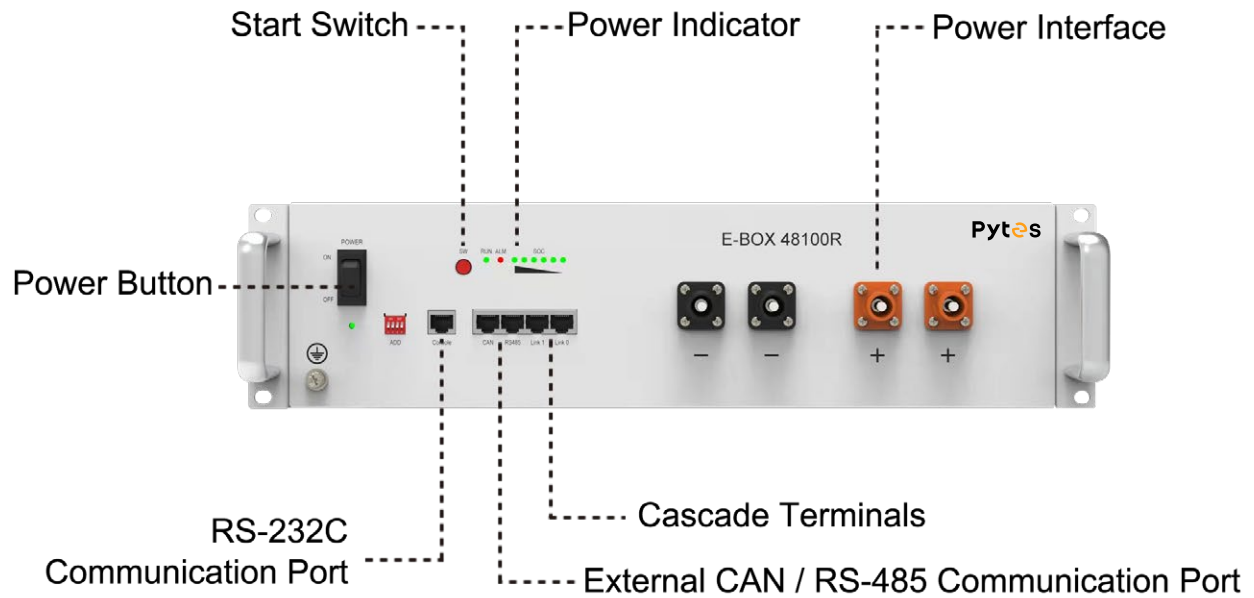
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E-BOX-48100R

L440mm* W620mm * H117mm (2.6U)
L17.32" * W24.41" * H4.61" (2.6U)
51.2V 100Ah 5.12kWh

Operation Panel



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

