

Power Pack LiFePO4 15S 48V 200Ah Prismatic LFP Battery Pack

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack LiFePO4 15S 48V 200Ah Prismatic LFP Battery Pack Battery Chemistry Lithium Iron Phosphate (LFP) Cell Type Prismatic Configuration 15S1P Number of Cells 15 Cell Capacity 200Ah per cell Nominal Cell Voltage 3.2V Nominal Pack Voltage 48.0V Maximum Charging Voltage 54.0V at 3.6V per cell Rated Capacity 200Ah / 200,000mAh Nominal Energy 9,600Wh / 9.6kWh BMS To be confirmed / selected for the application Charging Method CC/CV with a compatible 15S LiFePO4 charger Dimensions To be confirmed based on cell model and enclosure Weight To be confirmed based on cell model and enclosure Connector Type Customized according to application Brand Lion Battery

TECHNICAL SPECIFICATIONS

Nominal Voltage: 48V
Capacity: 200Ah
Energy: 600Wh
Chemistry: LFP
Charging Voltage: 54.0V
Product Category: 15 Cell 48 LiFePo4 (LFP) Battery Pack (48V-55.5)

PRODUCT DESCRIPTION

Power Pack LiFePO4 15S 48V 200Ah Prismatic LFP Battery Pack The Power Pack LiFePO4 15S 48V 200Ah Prismatic LFP Battery Pack is a high-capacity lithium iron phosphate battery designed for energy storage, solar power systems, industrial equipment, and backup power applications. With a nominal voltage of 48V and a capacity of 200Ah, this battery provides approximately 9.6kWh of nominal energy. The pack uses 15 prismatic LiFePO4 cells connected in series, each rated at 200Ah. It offers a 48V-class battery configuration for compatible systems. A suitable 15S LiFePO4 BMS can be selected according to the required charge and discharge current. Key Features Battery Chemistry: LiFePO4 (Lithium Iron Phosphate) Nominal Voltage: 48V class (48.0V) Capacity: 200Ah / 200,000mAh Nominal Energy: 9,600Wh (9.6kWh) Configuration: 15S1P Cell Type: Prismatic LFP cells Rechargeable design for stationary and industrial applications BMS configuration available according to application requirements Suitable for compatible solar storage and backup power systems Battery Configuration 15S1P: 15 prismatic cells connected in series. Nominal voltage: 15 ×3.2V = 48.0V. Capacity: 200Ah. Nominal energy: 48.0V ×200Ah = 9,600Wh. BMS Protection A compatible 15S LiFePO4 BMS is recommended for cell balancing and protection against overcharging, over-discharging, overcurrent, and short circuits, depending on the selected model. The BMS current rating should be selected based on the inverter or load power, charging current, and cell specifications. For high-current applications, suitable cables, busbars, fuses, and connectors are essential. Applications Solar energy storage systems Home and commercial

PRODUCT DATASHEET

backup power Compatible 48V-class inverters Industrial energy storage Telecom and DC backup systems Renewable energy projects Custom high-capacity battery installations Package Includes 15S 48V 200Ah prismatic LiFePO4 battery pack BMS, if included in the selected configuration Power cables and connectors according to the order Enclosure, if specified Important Charging Information Use a charger or inverter-charger specifically configured for a 15S LiFePO4 battery. A typical maximum charging voltage is 54.0V, subject to the cell manufacturer's specifications. Confirm that the inverter supports the battery's voltage range and charging profile. Do not assume that every device marketed as a 48V battery system is compatible with a 15S LFP pack.