

Power Pack LiFePO4 3S 9.6V 75000mAh 3S5P 3C With BMS LFP Battery

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack LiFePO4 3S 9.6V 75000mAh Battery Pack Battery Chemistry LiFePO4 / LFP Cell Type LiFePO4 Configuration 3S5P Dimensions / Weight Approx. 150 ×250 ×70 mm / 2.2 2.5 kg Cell Capacity Approximately 15Ah Number of Cells 15 Cells Nominal Cell Voltage 3.2V Nominal Pack Voltage 9.6V Maximum Charge Voltage 10.8V Pack Capacity 75Ah / 75,000mAh Energy Capacity 720Wh Cell Discharge Rating Up to 3C, depending on selected cells Theoretical 1C Current 75A Theoretical 3C Current 225A BMS 3S LiFePO4 BMS Battery Type Rechargeable Connector 5mm DC Jack / 2-Pin JST 54mm Wire Length 5cm Wire Customised Length Available

TECHNICAL SPECIFICATIONS

Nominal Voltage: 9.6V
Capacity: 75000mAh
Energy: 720Wh
Chemistry: LFP
Maximum / BMS Current: 75A
Charging Voltage: 10.8V
Product Category: 3 Cell 9V LiFePo4 (LFP) Battery Pack (9.6V-10.65V)

PRODUCT DESCRIPTION

Power Pack LiFePO4 3S 9.6V 75000mAh 3S5P 3C With BMS LFP Battery Pack The Power Pack LiFePO4 3S 9.6V 75000mAh 3S5P 3C With BMS is a high-capacity rechargeable Lithium Iron Phosphate (LiFePO4/LFP) battery pack designed for reliable energy storage, portable power, industrial equipment, and custom battery applications. This battery pack uses 15 LiFePO4 cells arranged in a 3S5P configuration. To achieve the specified 75Ah (75,000mAh) capacity, each cell is approximately 15Ah. The pack provides 9.6V nominal voltage and 720Wh nominal energy. With a 3C cell discharge rating, the theoretical discharge capability is approximately 225A. The actual continuous output depends on the selected cells, BMS current rating, wiring, connectors, and thermal management. An integrated 3S LiFePO4 BMS helps provide protection against overcharge, over-discharge, over-current, and short-circuit conditions. Key Features Battery Chemistry: LiFePO4 / LFP Nominal Voltage: 9.6V Capacity: 75Ah / 75,000mAh Configuration: 3S5P Cell Capacity: Approximately 15Ah Total Cells: 15 Theoretical 3C Current: 225A Maximum Charge Voltage: 10.8V Built-in 3S LiFePO4 BMS Rechargeable battery pack High-capacity energy storage Suitable for industrial and custom applications 3S5P Battery Configuration The battery pack contains 15 LiFePO4 cells connected in a 3S5P configuration: 3 cells in series (3S) -> 9.6V nominal 5 cells in parallel (5P) -> 75Ah capacity Total cells: 3 ×5 = 15 cells Cell capacity: Approximately 15Ah Nominal energy: 9.6V ×75Ah = 720Wh 3C LiFePO4 Configuration For a 75Ah battery: 1C = 75A 3C = 75Ah ×3 =

LION BATTERY

PRODUCT DATASHEET

225A theoretical The 225A value is a theoretical cell-based calculation. Actual continuous discharge capability depends on the cell specifications, BMS rating, wiring, connectors, and thermal conditions. BMS Protection The integrated 3S LiFePO4 BMS helps protect the battery against: Overcharge Over-discharge Over-current Short circuit Cell voltage imbalance Abnormal operating conditions The BMS current rating should be selected according to the actual load and application requirements. Connector & Wire Connector: 5mm DC Jack / 2-Pin JST 54mm Standard Wire Length: 5cm Custom Wire Length: Available Connector and cable configurations can be customized for OEM requirements. Applications This 9.6V 75Ah LiFePO4 battery pack is suitable for: Portable power systems Robotics and automation CCTV and security equipment LED lighting systems IoT equipment GPS and tracking devices Communication equipment Industrial electronics Backup power systems Custom electronic projects OEM battery applications Advantages 75Ah high-capacity LiFePO4 battery 720Wh nominal energy Stable LFP chemistry Built-in BMS protection 3C theoretical discharge capability Rechargeable design Long service-life potential Custom connector and wire options Suitable for industrial and OEM applications Package Includes 1 ×3S 9.6V 75Ah LiFePO4 Battery Pack 1 ×3S LiFePO4 BMS Connector and wires as configured