

Power Pack LiFePO4 19S 60V 120Ah 19S8P 3C With BMS LFP Battery Pack

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack LiFePO4 19S 60V 120Ah 19S8P 3C With BMS LFP

Battery Pack Battery Chemistry LiFePO4 (Lithium Iron Phosphate) Cell Type LiFePO4

Configuration 19S8P Dimensions / Weight Approx. 300 ×300 ×280 mm / 18 21 kg* Cell Capacity

Approx. 15Ah Number of Cells 152 Nominal Cell Voltage 3.2V Nominal Pack Voltage 60.8V

Maximum Charge Voltage 68.4V Pack Capacity 120Ah / 120,000mAh Energy Capacity Approx.

7,296Wh / 7.30kWh Cell Discharge Rating 3C* Theoretical 3C Current 360A BMS 19S LiFePO4 BMS

Battery Type Rechargeable Connector As per application Wire Length Customised Length

Available Wire Customised Length Available

TECHNICAL SPECIFICATIONS

Nominal Voltage: 60V
Capacity: 120Ah
Energy: 296Wh
Chemistry: LFP
Maximum / BMS Current: 360A
Charging Voltage: 68.4V
Product Category: 19 Cell 60V LiFePo4 (LFP) Battery Pack (61V-69)

PRODUCT DESCRIPTION

Power Pack LiFePO4 19S 60V 120Ah 19S8P 3C With BMS LFP Battery Pack The Power Pack LiFePO4

19S 60V 120Ah 19S8P 3C With BMS LFP Battery Pack is a high-capacity rechargeable lithium iron phosphate battery designed for high-energy and high-power applications such as electric vehicles, industrial equipment, solar energy storage, inverter systems, and custom power solutions. This battery uses a 19S8P configuration with approximately 15Ah LiFePO4 cells, providing a total capacity of 120Ah. With a nominal voltage of 60.8V, the pack provides approximately 7.30kWh of energy storage. The integrated 19S LiFePO4 BMS helps protect the battery against overcharge, over-discharge, over-current, short circuit, and cell imbalance.

Key Features Battery Chemistry: LiFePO4 (LFP) Cell Type: LiFePO4 Configuration: 19S8P

Nominal Voltage: 60.8V Capacity: 120Ah / 120,000mAh Cell Capacity: Approx. 15Ah Total Cells:

152 Maximum Charge Voltage: 68.4V Energy Capacity: Approx. 7,296Wh / 7.30kWh Discharge

Rating: 3C Theoretical 3C Current: 360A BMS: 19S LiFePO4 BMS Long cycle-life LFP chemistry

Excellent thermal stability High-capacity battery configuration Custom connectors and wiring

available 19S8P Battery Configuration The pack uses a 19S8P configuration: 19 cells/groups

connected in series 8 cells connected in parallel per group Total cells: 19 ×8 = 152 Cell

capacity: approximately 15Ah Pack capacity: 15Ah ×8 = 120Ah Nominal voltage: 3.2V ×19 =

60.8V Maximum charge voltage: 3.6V ×19 = 68.4V Energy capacity: 60.8V ×120Ah = 7,296Wh BMS

Protection The integrated 19S LiFePO4 BMS helps provide: Overcharge protection

LION BATTERY

PRODUCT DATASHEET

Over-discharge protection Over-current protection Short-circuit protection Cell voltage monitoring Cell balancing Temperature protection, depending on BMS model The BMS current rating should be selected according to the actual continuous and peak current requirements of the application. Connector & Wire The battery pack can be customized with: XT90 / XT150 connectors Anderson-style high-current connectors High-current terminals Custom charging connector Custom wire gauge Custom wire length Common or separate charge/discharge ports Applications Electric scooters Electric bikes Electric three-wheelers Electric vehicles Golf carts Industrial electric vehicles Solar energy storage Solar inverter systems UPS and backup power AGV / AMR systems Robotics Industrial equipment Telecom backup systems Portable power systems OEM / ODM battery projects Advantages High 120Ah capacity Approximately 7.30kWh energy storage 19S8P configuration LiFePO4 chemistry Integrated BMS protection Excellent thermal stability Long cycle-life potential Suitable for high-energy applications Custom connectors and wiring available Suitable for OEM, wholesale and bulk requirements Package Includes 1 ×19S8P 60.8V 120Ah LiFePO4 Battery Pack 152 ×LiFePO4 cells 1 ×19S LiFePO4 BMS Cell interconnections Protective insulation Battery pack assembly Output wiring and connector as specified