

BAK 4S 14.8V 15000mAh (15Ah) 4S3P 3C Lithium-Ion Rechargeable Ba

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name BAK 4S 14.8V 15000mAh Lithium-Ion Battery Pack Brand BAK
Chemistry NMC Lithium-Ion Configuration 4S3P Number of Cells 12 Cell Type Cylindrical
Lithium-Ion Cell Capacity 5000mAh Nominal Cell Voltage 3.7V Nominal Pack Voltage 14.8V
Maximum Charge Voltage 16.8V Pack Capacity 15000mAh (15Ah) Energy Approx. 222Wh Discharge
Rating 3C Theoretical 3C Current 45A Dimension/weight 59*71*145mm / 0.84kg BMS Optional /
Application Specific Connector Customizable Wire Customizable

TECHNICAL SPECIFICATIONS

Nominal Voltage: 14.8V
Capacity: 15000mAh
Energy: 222Wh
Chemistry: Lithium-Ion
Maximum / BMS Current: 45A
Charging Voltage: 16.8V
Product Category: 4 Cell 15V Li-Ion Battery Pack (14.8V~16.8V)

PRODUCT DESCRIPTION

BAK 4S 14.8V 15000mAh (15Ah) 4S3P 3C Lithium-Ion Rechargeable Battery Pack The BAK 4S 14.8V 15000mAh (15Ah) 4S3P 3C Lithium-Ion Rechargeable Battery Pack is a high-capacity NMC Lithium-Ion battery pack designed for applications requiring reliable 14.8V power and higher energy capacity. This pack uses BAK 3.7V 5000mAh lithium-ion cells arranged in a 4S3P configuration, providing 14.8V nominal voltage, 15Ah capacity, and approximately 222Wh energy. The 3C configuration provides a theoretical discharge capability of up to 45A, subject to the actual cell, BMS, wiring, connectors and thermal design. Key Features Brand: BAK Battery Chemistry: NMC Lithium-Ion Configuration: 4S3P Nominal Voltage: 14.8V Maximum Charging Voltage: 16.8V Capacity: 15000mAh (15Ah) Cell Capacity: 5000mAh Number of Cells: 12 Discharge Rating: 3C Theoretical 3C Current: 45A Rechargeable lithium-ion battery High-capacity configuration Suitable for custom battery applications BMS, connector and wiring can be customized 4S3P Battery Configuration The battery pack contains 12 cells arranged as: 4 cells in series (4S) = 14.8V nominal 3 cells in parallel (3P) = 15Ah capacity Total cells: 4 × 3 = 12 cells Nominal energy: 14.8V × 15Ah = 222Wh 3C Lithium-Ion Configuration The theoretical 3C discharge current is: 15Ah × 3C = 45A Actual continuous discharge capability depends on the selected BAK cells, BMS current rating, interconnections, wiring, connectors and thermal management. BMS Protection A suitable BMS can protect the battery against: Overcharge Over-discharge Over-current Short circuit Cell imbalance Excessive temperature Abnormal charging and discharging conditions The BMS should be selected according to the application's actual current requirement. Applications Portable

PRODUCT DATASHEET

Power Equipment Robotics RC Projects Electric Mobility Projects Small EV Applications Backup
Power Systems DC Equipment Industrial Electronics Custom Lithium Battery Projects OEM
Battery Applications Advantages 15Ah high-capacity battery 14.8V nominal voltage
Approximately 222Wh energy 4S3P configuration 3C high-discharge configuration Rechargeable
NMC Lithium-Ion technology Suitable for custom applications Custom BMS and connectors
available Suitable for OEM and bulk requirements Package Includes 1 ×BAK 4S3P 14.8V
15000mAh Lithium-Ion Battery Pack BMS according to selected configuration Connector/wiring
according to selected configuration