

BAK 6S 22.2V 70000mAh (70Ah) Lithium-Ion Battery Pack | 6S14P 3C U

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Brand BAK Chemistry NMC Lithium-Ion Cell Format 21700 Individual Cell
Capacity 5000mAh Total Number of Cells 84 Cells Configuration 6S14P Nominal Voltage 22.2V
Maximum Charge Voltage 25.2V Battery Capacity 70Ah / 70000mAh Nominal Energy ~1554Wh Series
Groups 6 Parallel Cells per Group 14 Cell Discharge Rating Up to 3C* JBD HARDWARE BMS
81*313*145mm / 5.88kg BMS JBD HARDWARE BMS Battery Type High-Capacity NMC Lithium-Ion

TECHNICAL SPECIFICATIONS

Nominal Voltage: 22.2V
Capacity: 70000mAh
Energy: 1554Wh
Chemistry: Lithium-Ion
Maximum / BMS Current: 210A
Charging Voltage: 25.2V
Product Category: 6 Cell 24V Li-Ion Battery Pack (22.2V~25.2V)

PRODUCT DESCRIPTION

BAK 6S 22.2V 70000mAh (70Ah) Lithium-Ion Battery Pack | 6S14P 3C Ultra High Capacity
Rechargeable Battery The BAK 6S 22.2V 70000mAh (70Ah) Lithium-Ion Battery Pack is a
high-capacity NMC lithium-ion rechargeable battery pack configured in 6S14P, using BAK 21700
5000mAh cells. With a 22.2V nominal voltage and 70Ah capacity, this battery provides
approximately 1554Wh (1.55kWh) of nominal energy, making it suitable for applications
requiring extended runtime and high-capacity rechargeable power. The 6S14P configuration
contains 84 individual 21700 cells, arranged as 6 series groups with 14 cells connected in
parallel in each group. Key Features Brand: BAK Battery Chemistry: NMC Lithium-Ion Cell
Type: 21700 cylindrical Cell Capacity: 5000mAh Configuration: 6S14P Nominal Voltage: 22.2V
Maximum Charge Voltage: 25.2V Capacity: 70000mAh / 70Ah Nominal Energy: Approximately 1554Wh
Total Cells: 84 Cell Discharge Rating: Up to 3C* High-capacity rechargeable battery design
Suitable for custom BMS and connector configurations 6S14P Battery Configuration The pack
uses 84 BAK 21700 cells: 6 cells/groups in series = 6S 14 cells in parallel per group = 14P
Total cells = 6 ×14 = 84 cells Capacity = 14 ×5Ah = 70Ah Nominal voltage = 6 ×3.7V =
22.2V Maximum charge voltage = 6 ×4.2V = 25.2V Nominal energy = 22.2V ×70Ah = 1554Wh 3C
Lithium-Ion Configuration Based on a theoretical 3C calculation: 70Ah ×3C = 210A This 210A
figure is not automatically the rated continuous output of the finished battery pack. The
practical current rating must be determined by the selected BMS, cell specifications,
busbars/nickel interconnects, wiring, connectors and thermal design. BMS Protection A
suitable 6S NMC BMS can provide: Overcharge protection Over-discharge protection
Over-current protection Short-circuit protection Over-temperature protection Cell balancing

PRODUCT DATASHEET

Charging and discharging protection For high-current applications, the BMS should be selected according to the required continuous and peak load. Applications The BAK 6S 22.2V 70Ah battery pack is suitable for: Electric vehicles Electric scooters Robotics Portable power systems Industrial equipment Backup power systems Custom EV projects High-capacity DC power systems DIY lithium battery projects Engineering and OEM applications Advantages 70Ah high-capacity configuration Approximately 1.55kWh nominal energy Uses 21700 cylindrical cells 6S14P configuration for high capacity Suitable for long-runtime applications Rechargeable NMC lithium-ion technology Compatible with custom BMS configurations Suitable for OEM and custom battery-pack requirements Package Includes 1 ×BAK 6S14P 22.2V 70Ah Lithium-Ion Battery Pack BMS according to selected configuration Battery interconnects and wiring Output connector according to requirement Important Charging Information Use a 25.2V lithium-ion charger designed specifically for a 6S NMC battery pack. Do not use a LiFePO4 charger or a charger designed for another series configuration. Always use an appropriately rated BMS and charger.