

BAK 20S 72V 50000mAh (50Ah) 20S10P 3C Lithium-Ion Rechargeable Battery Pack

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Brand BAK Battery Type Rechargeable Lithium-Ion Battery Pack
Configuration 20S10P Nominal Voltage 72V Nominal Capacity 50Ah / 50,000mAh Nominal Energy
Approx. 3.6 kWh Discharge Rating 3C Theoretical 3C Discharge 150A Series Configuration 20S
Parallel Configuration 10P Total Cells 200 cells* Cell Type BAK Lithium-Ion Cylindrical
Cells Dimension/weight 235*225*145mm / 14kg BMS JBD HARDWARE BMS Applications EV, E-Bike,
Scooter, Industrial & Energy Storage

TECHNICAL SPECIFICATIONS

Nominal Voltage: 72V
Capacity: 50000mAh
Energy: 3.6 kWh
Chemistry: Lithium-Ion
Maximum / BMS Current: 150A
Product Category: 20 Cell 72V Li-Ion Battery Pack (74V~84V)

PRODUCT DESCRIPTION

BAK 20S 72V 50000mAh (50Ah) 20S10P 3C Lithium-Ion Rechargeable Battery Pack The BAK 20S 72V 50000mAh (50Ah) 20S10P 3C Lithium-Ion Rechargeable Battery Pack is a high-capacity energy solution designed for electric vehicles, e-bikes, electric scooters, electric motorcycles, industrial equipment, robotics, and custom energy-storage applications. With a 72V nominal voltage and 50Ah capacity, this battery pack provides approximately 3.6 kWh of nominal energy, making it suitable for applications requiring extended operating range and dependable power delivery. The pack features a 20S10P configuration, combining 20 cell groups connected in series with 10 cells connected in parallel within each group. Based on the specified 3C discharge rating, the 50Ah pack has a theoretical discharge capability of approximately 150A. Actual continuous current capability depends on the specific BAK cell model, BMS rating, thermal management, wiring, connectors, and overall pack construction.

Key Features 72V 50Ah high-capacity lithium-ion battery pack 50,000mAh rechargeable capacity 20S10P configuration Approximately 3.6 kWh nominal energy Specified 3C discharge capability Theoretical discharge capability of approximately 150A Designed for high-energy electric mobility Suitable for extended-range applications High-capacity solution for custom EV battery systems Compatible with an appropriately rated BMS and charger Applications The BAK 72V 50Ah Lithium-Ion Battery Pack is suitable for: Electric bikes and high-performance e-bikes Electric scooters Electric motorcycles Electric three-wheelers Electric utility vehicles EV conversion projects Industrial vehicles and equipment Robotics and automation systems Portable power systems Custom lithium battery projects Energy-storage applications

