

Power Pack 36V 16000mAh 10S8P 1C with BMS Lithium-Ion Rechargeable

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 36V 16000mAh Lithium-Ion Battery Pack Battery Chemistry Lithium-Ion NMC Configuration 10S8P Nominal Voltage 36V Fully Charged Voltage 42V Battery Capacity 16000mAh / 16Ah Energy Capacity 576Wh (nominal) Discharge Rate 1C Theoretical 1C Discharge Current 16A BMS Included; current rating to be confirmed Charging Method NMC-compatible CC/CV charger Cell Type To be confirmed Dimensions 167*157*135mm Weight 6.02kg

TECHNICAL SPECIFICATIONS

Nominal Voltage: 36V
Capacity: 16000mAh
Energy: 576Wh
Chemistry: Lithium-Ion
Maximum / BMS Current: 16A
Charging Voltage: 42V
Product Category: 10 Cell 36V Li-Ion Battery Pack (36V~42V)

PRODUCT DESCRIPTION

Power Pack 36V 16000mAh 10S8P 1C with BMS Lithium-Ion Rechargeable NMC Battery Pack The Power Pack 36V 16000mAh 10S8P Lithium-Ion Battery Pack is a rechargeable NMC battery solution designed for applications requiring reliable DC power, compact integration, and battery management protection. Featuring a 10S8P configuration and an integrated BMS, this battery pack is suitable for compatible electric mobility, portable equipment, robotics, and backup power applications. With a nominal voltage of 36V and a capacity of 16Ah, it provides approximately 576Wh of energy. The integrated Battery Management System (BMS) helps manage battery operation and provides protection according to the selected BMS specifications. Key Features Battery Chemistry: Lithium-Ion NMC Nominal Voltage: 36V Capacity: 16000mAh (16Ah) Configuration: 10S8P Discharge Rating: 1C Energy Capacity: Approximately 576Wh BMS: Included Rechargeable battery pack design Suitable for compatible 36V-class equipment Battery Configuration Series Configuration: 10S Parallel Configuration: 8P Total Cell Count: 80 cells, assuming the stated 10S8P configuration Nominal Voltage: 36V (approximately 3.6V per cell) Maximum Charging Voltage: 42V Total Energy: 36V ×16Ah = 576Wh 1C Discharge Performance At a 1C discharge rate, the theoretical continuous current is: 16Ah ×1C = 16A Actual continuous discharge depends on the cell specifications, BMS rating, wiring, connectors, and thermal conditions. BMS Protection The included BMS may provide the following protections, depending on the selected model: Overcharge protection Over-discharge protection Overcurrent protection Short-circuit protection Cell-voltage monitoring Temperature protection, if supported Charging Requirements Use a dedicated 42V lithium-ion

PRODUCT DATASHEET

charger compatible with a 10S NMC battery pack. Confirm the charger's current rating and connector polarity before use. Do not use a LiFePO4 charger unless compatibility with this specific NMC pack is explicitly confirmed. Applications Electric bicycles and compatible mobility systems Robotics and automated equipment Portable DC power systems Compatible electric scooters Backup power equipment Custom lithium battery applications Package Includes 1 ×Power Pack 36V 16000mAh NMC Battery Pack 1 ×BMS Wires and connectors according to the selected configuration