

Power Pack 36V 12000mAh 10S6P 1C BMS 20A Bike Battery | Premium

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 36V 12000mAh 10S6P Electric Bike Battery

Battery Chemistry NMC Lithium-Ion Cell Type 18650 Configuration 10S6P Dimensions / Weight

Approx. 90 ×110 ×180 mm / 1.05 kg Cell Capacity 2000mAh Number of Cells 60 Cells Nominal

Cell Voltage 3.6 3.7V Nominal Pack Voltage 36V Maximum Charge Voltage 42V Pack Capacity

12000mAh / 12Ah Energy Capacity Approx. 432Wh Cell Discharge Rating 1C Theoretical 1C

Current 12A BMS 10S 20A BMS Battery Type Rechargeable Connector Application Dependent /

Customizable Wire Length Customised Wire Customised Length Available

TECHNICAL SPECIFICATIONS

Nominal Voltage: 36V
Capacity: 12000mAh
Energy: 432Wh
Chemistry: NMC
Maximum / BMS Current: 20A
Charging Voltage: 42V
Product Category: E BIKE BATTERY LI-ION NMC PACK

PRODUCT DESCRIPTION

Power Pack 36V 12000mAh 10S6P 1C BMS 20A Bike Battery | Premium Electric Bike Battery The

Power Pack 36V 12000mAh 10S6P 1C BMS 20A Bike Battery is a rechargeable NMC Lithium-Ion

battery pack designed for electric bikes, e-bikes, electric scooters, and other 36V electric

mobility applications. Built using 18650 NMC lithium-ion cells in a 10S6P configuration,

this battery provides 36V nominal voltage and 12000mAh (12Ah) capacity. The integrated 10S

20A BMS helps protect the battery during charging and discharging. With approximately 432Wh

of energy, this battery offers increased capacity and longer potential runtime compared with

lower-capacity 36V battery packs. Key Features 36V nominal voltage 12000mAh / 12Ah capacity

10S6P cell configuration NMC Lithium-Ion chemistry 18650 rechargeable cells 10S 20A BMS 1C

cell discharge configuration Designed for electric bikes and e-bikes Suitable for

compatible electric scooters Rechargeable battery pack Compact and practical battery design

Custom wire and connector options available Suitable for OEM and custom battery requirements

10S6P Battery Configuration This battery contains 60 ×18650 NMC cells arranged in a 10S6P

configuration. 10S: 10 cell groups connected in series 6P: 6 cells connected in parallel in

each group Total cells: 10 ×6 = 60 cells Nominal voltage: 3.6 3.7V ×10 ? 36V Capacity:

2000mAh ×6 = 12000mAh / 12Ah Maximum charge voltage: 4.2V ×10 = 42V Energy capacity: 36V ×

12Ah = 432Wh 1C Lithium-Ion Configuration The theoretical 1C current is: 12Ah ×1C = 12A The

12A theoretical 1C current is separate from the 20A BMS rating. The 20A BMS rating does not

automatically mean the battery can continuously deliver 20A. Actual discharge capability

PRODUCT DATASHEET

depends on the cells, BMS, wiring, connectors, temperature, and complete battery-pack construction. BMS Protection The integrated 10S 20A BMS helps protect the battery from common operating conditions such as: Overcharge Over-discharge Over-current Short circuit Cell imbalance Electric Bike Applications This 36V 12Ah e-bike battery is suitable for: Electric bicycles E-bikes Electric scooters BLDC motor systems DIY electric bikes Electric bike conversion projects Low-power electric mobility systems Custom EV projects Compatible portable electric vehicles Connector & Wire The connector and cable configuration can be selected according to the motor controller and vehicle design. Connector: Application Dependent / Customizable Wire Length: Customised Wire Gauge: Selected according to application current Custom Connector: Available on request Advantages 36V nominal voltage 12Ah high-capacity design Approximately 432Wh energy 10S6P configuration NMC chemistry with good energy density Integrated 20A BMS Suitable for electric bike applications Rechargeable design Custom battery-pack configurations available Suitable for OEM and bulk requirements Package Includes 1 ×36V 12000mAh 10S6P NMC Electric Bike Battery 1 ×10S 20A BMS Output/charging wires and connector as specified