

Power Pack 11.1V 4000mAh 3S2P 1C BMS 6A Lithium-Ion Rechargeabl

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 11.1V 4000mAh Lithium-Ion Battery Pack Battery Chemistry NMC Lithium-Ion Cell Type 18650 Configuration 3S2P Dimensions / Weight 44 ×43 ×135 mm / Approx. 0.28kg Cell Capacity 4000mAh Nominal Cell Voltage 3.7V Nominal Pack Voltage 11.1V Maximum Charge Voltage 12.6V Pack Capacity 4000mAh (4Ah) Energy Capacity Approx. 29.6Wh Cell Discharge Rating 1C Theoretical 1C Current 2A BMS 3S 6A Battery Type Rechargeable Connector 5mm DC Jack / 2-Pin JST 54mm Wire Length 5cm Wire Customised Length Available

TECHNICAL SPECIFICATIONS

Nominal Voltage: 11.1V
Capacity: 4000mAh
Energy: 29.6Wh
Chemistry: Lithium-Ion
Maximum / BMS Current: 6A
Charging Voltage: 12.6V
Product Category: 3 CELL LI-ON BATTERY PACK (11.1V-12.6V)

PRODUCT DESCRIPTION

Power Pack 11.1V 4000mAh 3S2P 1C BMS 6A Lithium-Ion Rechargeable NMC Battery Pack The Power Pack 11.1V 4000mAh (4Ah) 3S2P NMC Lithium-Ion Battery Pack is a compact rechargeable power solution designed for electronic equipment, robotics, portable devices and other applications requiring an 11.1V nominal power source. The battery uses a 3S2P configuration with 18650 NMC lithium-ion cells, providing 4000mAh capacity. A 3S 6A BMS is included for battery protection and monitoring. Key Features NMC Lithium-Ion battery chemistry 11.1V nominal pack voltage 4000mAh / 4Ah capacity 3S2P configuration 18650 cell format 1C cell discharge rating Integrated 3S 6A BMS Rechargeable battery pack Compact design Custom wire length and connector options available 1C Lithium-Ion Configuration The pack capacity is 4Ah and the cell discharge rating is 1C. Theoretical 1C current = 4Ah ×1C = 4A The 6A BMS rating does not mean the battery is rated for 6A continuous discharge. Actual allowable current depends on the cells, BMS, wiring, connectors, interconnections and thermal conditions. BMS Protection The integrated 3S 6A BMS is designed to provide protection against: Overcharge Over-discharge Over-current Short circuit Abnormal cell voltage conditions Connector & Wire Connector: 5mm DC Jack / 2-Pin JST JST Cable Length: 54mm Standard Wire Length: 5cm Custom Wire Length: Available Custom connector and cable options can be provided for OEM requirements. Applications Portable electronic equipment Robotics IoT devices CCTV and security equipment LED lighting Portable instruments DIY electronics Small backup power systems Custom OEM equipment 11.1V electronic applications Advantages

LION BATTERY

PRODUCT DATASHEET

Compact 3S2P design 4000mAh capacity 11.1V nominal voltage 12.6V maximum charging voltage

Integrated 6A BMS Rechargeable NMC lithium-ion technology Approx. 44.4Wh energy capacity

Custom wire and connector options Package Includes 1 ×11.1V 4000mAh 3S2P NMC Lithium-Ion

Battery Pack 1 ×3S 6A BMS 5mm DC Jack / 2-Pin JST connector 5cm standard wire