

Power pack 11.1V 2000mAh 3S1P 1C BMS 6A Lithium-Ion Rechargeabl

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 11.1V 2000mAh Lithium-Ion Battery Pack Battery

Chemistry NMC Lithium-Ion Cell Type 18650 Configuration 3S1P Dimentions / Weight 60*20*70 /

150g Cell Capacity 2000mAh Nominal Cell Voltage 3.7V Nominal Pack Voltage 11.1V Maximum

Charge Voltage 12.6V Pack Capacity 2000mAh (2Ah) Energy Capacity Approx. 22.2Wh Cell

Discharge Rating 1C Theoretical 1C Current 2A BMS 3S 6A Battery Type Rechargeable Connector

5mm DC Jack / 2pin jst 54mm Wire Dimension/weight 5cm Lenth / Optional customised Lenth

44*24*135mm / 0.15kg

TECHNICAL SPECIFICATIONS

NMC HARDWARE BMS: NMC 6A HARDWARE BMS, NONE
CONNECTOR: 2 pin jst 2.54mm connector, 4 pin jst hx connector, 5MM DC JACK
Nominal Voltage: 11.1V
Capacity: 2000mAh
Energy: 22.2Wh
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 2000mAh 3S1P 1C BMS 6A Lithium-Ion Rechargeable NMC Battery Pack The Power

Pack 11.1V 2000mAh (2Ah) 3S1P 1C Lithium-Ion Rechargeable NMC Battery Pack is a compact

rechargeable battery solution designed for electronic and portable power applications. The

pack uses 3 ×18650 NMC Lithium-Ion cells connected in a 3S1P configuration, providing 11.1V

nominal voltage and 2000mAh (2Ah) capacity. A 6A BMS is included to provide essential

battery protection during charging and discharging. With a 1C cell configuration, the

theoretical cell-based discharge current is 2A. The installed 6A BMS does not mean the cells

should continuously deliver 6A; the actual safe operating current depends on the cells and

complete pack design. Key Features Battery Type: Lithium-Ion NMC Configuration: 3S1P Nominal

Voltage: 11.1V Maximum Charging Voltage: 12.6V Capacity: 2000mAh (2Ah) Cell Type: 18650

Number of Cells: 3 Cell Discharge Rating: 1C BMS Rating: 6A Theoretical 1C Current: 2A

Rechargeable battery pack Compact and convenient power solution Built-in battery protection

through BMS Suitable for electronic and portable applications 3S1P Battery Configuration The

battery pack contains 3 ×18650 cells arranged as: 3 cells in series (3S) -> 11.1V nominal 1

cell in parallel (1P) -> 2Ah capacity Total cells: 3 ×1 = 3 cells Nominal energy: 11.1V ×

2Ah = 22.2Wh Maximum charging voltage: 4.2V ×3 = 12.6V 1C Lithium-Ion Configuration The

theoretical 1C discharge current is: 2Ah ×1C = 2A The 6A BMS rating is the

LION BATTERY

PRODUCT DATASHEET

protection/current rating of the BMS, not a guarantee that the battery can safely deliver 6A continuously. Actual continuous current should be determined by the 18650 cell specification, BMS, wiring, connectors and thermal conditions. 6A BMS Protection The integrated 3S 6A BMS is designed to help protect the battery against: Overcharge Over-discharge Over-current Short circuit Cell-related abnormal conditions Unsafe charging/discharging conditions The BMS should be used within its specified operating limits. Applications This 11.1V 2Ah power pack can be used for: Portable Electronics LED Lighting Small Robotics Projects RC Equipment IoT Devices GPS & Tracking Equipment Portable Instruments Electronic Control Systems Backup Power Applications Custom Electronic Projects Advantages 11.1V nominal output 2000mAh (2Ah) capacity Approximately 22.2Wh energy Compact 3S1P configuration 18650 NMC Lithium-Ion cells Integrated 6A BMS Rechargeable design Suitable for compact electronic applications Protection against common battery faults Package Includes 1 ×Power Pack 11.1V 2000mAh 3S1P Lithium-Ion Battery Pack 1 ×3S 6A BMS Battery wiring and connector as configured