

Power Pack 7.4V 2000mAh 2S1P 1C BMS 2A Lithium-Ion Rechargeable

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 7.4V 2000mAh Lithium-Ion Battery Pack Battery Chemistry NMC Lithium-Ion Cell Type 18650 Configuration 2S1P Number of Cells 2 Cells Cell Capacity 2000mAh Nominal Cell Voltage 3.7V Nominal Pack Voltage 7.4V Maximum Charge Voltage 8.4V Pack Capacity 2000mAh (2Ah) Energy Capacity Approx. 14.8Wh Cell Discharge Rating 1C Theoretical 1C Current 2A BMS 2S 2A BMS Battery Type Rechargeable Dimensions / Weight Approx. 40 ×24 ×135 mm / Approx. 100g* Connector 5mm DC Jack / 2-Pin JST 54mm* Wire Length 5cm* Wire Customized Length Available

TECHNICAL SPECIFICATIONS

Nominal Voltage: 7.4V
Capacity: 2000mAh
Energy: 14.8Wh
Chemistry: Lithium-Ion
Maximum / BMS Current: 2A
Charging Voltage: 8.4V
Product Category: 2 CELL LI-ON BATTERY PACK (7.4V-8.4V)

PRODUCT DESCRIPTION

Power Pack 7.4V 2000mAh 2S1P 1C BMS 2A Lithium-Ion Rechargeable NMC Battery Pack The Power Pack 7.4V 2000mAh 2S1P 1C BMS 2A Lithium-Ion Rechargeable NMC Battery Pack is a compact and rechargeable lithium-ion battery designed for portable electronic devices, equipment, DIY projects, backup systems, and other applications requiring a reliable 7.4V power source. The battery pack uses 18650 NMC lithium-ion cells arranged in a 2S1P configuration, providing a nominal voltage of 7.4V and a capacity of 2000mAh (2Ah). A 2S 2A BMS provides protection against overcharge, over-discharge, over-current, and short circuit. 2S1P Configuration This battery uses a 2S1P configuration: 2S = 2 cells connected in series 1P = 1 cell in each parallel group Cell voltage = 3.7V nominal Pack voltage = 3.7V ×2 = 7.4V Full-charge voltage = 4.2V ×2 = 8.4V Capacity = 2000mAh The series connection increases the voltage while the capacity remains 2000mAh. 2S 2A BMS Protection The integrated 2S 2A BMS helps protect the battery pack during operation and charging. Protection functions may include: Overcharge protection Over-discharge protection Over-current protection Short-circuit protection Cell voltage monitoring Battery safety protection The BMS current rating should be matched with the actual application's continuous and peak current requirements. Charging For safe charging, use a charger designed specifically for a 2S NMC lithium-ion battery pack. Nominal battery voltage: 7.4V Maximum charging voltage: 8.4V Recommended charger: 8.4V Li-ion charger Do not use a 12.6V charger or LiFePO4 charger for this pack. Applications This compact 7.4V rechargeable battery pack can be used for: Portable electronic equipment

LION BATTERY

PRODUCT DATASHEET

CCTV and security equipment LED lighting Robotics and DIY projects IoT devices Measuring instruments Portable devices Industrial electronics Backup power applications Small motors and equipment Custom electronic projects Key Features 7.4V nominal voltage 2000mAh / 2Ah capacity 2S1P configuration NMC lithium-ion chemistry 18650 cell construction 1C cell discharge rating 2A BMS protection Rechargeable battery design Compact and lightweight Custom connector and wire options available