

Power Pack 11.1V 6000mAh 3S3P 1C BMS 6A Lithium-Ion Rechargeable

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 11.1V 6000mAh Lithium-Ion Battery Pack Battery Chemistry NMC Lithium-Ion Cell Type 18650 Configuration 3S3P Dimensions / Weight 44 × 62 × 135 mm / Approx. 0.42kg Total Number of Cells 9 Cells Cell Capacity 2000mAh Nominal Cell Voltage 3.7V Nominal Pack Voltage 11.1V Maximum Charge Voltage 12.6V Pack Capacity 6000mAh (6Ah) Energy Capacity Approx. 66.6Wh Cell Discharge Rating 1C Theoretical 1C Current 6A BMS 3S 6A Battery Type Rechargeable Charging Method CC/CV Recommended Charger 12.6V Li-Ion Charger Connector 5mm DC Jack / 2-Pin JST 54mm Wire Length 5cm Wire Customised Length Available Application Robotics, RC, Electronics, Portable Equipment & Custom Projects

TECHNICAL SPECIFICATIONS

Nominal Voltage: 11.1V
Capacity: 6000mAh
Energy: 66.6Wh
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 6000mAh 3S3P 1C BMS 6A Lithium-Ion Rechargeable NMC Battery Pack The Power Pack 11.1V 6000mAh 3S3P 1C BMS 6A Lithium-Ion Rechargeable NMC Battery Pack is a compact and reliable rechargeable battery solution designed for portable electronics, robotics, RC applications, industrial equipment, LED systems, backup power, and custom electronic projects. This battery pack uses NMC lithium-ion cells arranged in a 3S3P configuration, providing 11.1V nominal voltage and 6000mAh (6Ah) capacity. A 6A 1C BMS provides battery protection during charging and discharging. 3S3P Battery Configuration The battery consists of 9 individual 18650 lithium-ion cells arranged in a 3S3P configuration. 3 cells/groups connected in series 3 cells connected in parallel in each group Total cells: 3 × 3 = 9 Capacity: 3 × 2Ah = 6Ah Nominal voltage: 3 × 3.7V = 11.1V Maximum charging voltage: 3 × 4.2V = 12.6V Nominal energy: 11.1V × 6Ah = 66.6Wh 6A 1C BMS Protection The integrated 3S 6A BMS is designed to help protect the battery pack from common electrical faults. Depending on the BMS design, protection can include: Overcharge protection Over-discharge protection Over-current protection Short-circuit protection Cell voltage monitoring Battery protection during charging and discharging The 6A rating is suitable for applications requiring up to approximately 6A according to the BMS specification and operating conditions. 12.6V Charging This battery is a 3S NMC lithium-ion pack, so the maximum charging voltage is 12.6V. Nominal voltage: 11.1V Full-charge voltage: 12.6V Use a compatible 12.6V CC/CV lithium-ion charger.

LION BATTERY

PRODUCT DATASHEET

Do not use a 12.6V charger intended for a different battery chemistry unless its charging profile is specifically compatible with the battery. Suitable Applications This 11.1V 6000mAh battery pack can be used for: RC Vehicles Robotics Portable Electronics CCTV & Security Equipment LED Lighting Systems Industrial Instruments GPS & Tracking Equipment Portable Devices DIY Electronics Projects Backup Power Applications Custom Electronic Equipment Key Features 11.1V nominal output 6000mAh / 6Ah capacity 3S3P configuration NMC lithium-ion chemistry 9-cell 18650 configuration Integrated 6A BMS Approximately 66.6Wh energy Rechargeable design Compact battery-pack construction Suitable for custom applications 12.6V charging requirement Why Choose This Battery Pack? The 11.1V 6000mAh 3S3P battery provides a useful combination of voltage and capacity in a compact rechargeable pack. The 3S3P configuration increases capacity while maintaining an 11.1V nominal output, making it suitable for equipment requiring a stable lithium-ion power source. LionBattery can also customize the battery pack according to required dimensions, connector, wire length, BMS rating, cell capacity and pack configuration.