PRODUCT DATASHEET

Power Pack 14.8V 16000mAh 4S8P 1C BMS 20A Lithium-Ion Rechargea

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Product Name Power Pack 14.8V 16000mAh Lithium-Ion Battery Pack Battery Chemistry NMC Lithium-Ion Cell Type 18650 Configuration 4S8P Number of Cells 32 Cells Cell Capacity 2000mAh Nominal Cell Voltage 3.7V Nominal Pack Voltage 14.8V Maximum Charge Voltage 16.8V Pack Capacity 16000mAh (16Ah) Energy Capacity Approx. 236.8Wh Cell Discharge Rating 1C Theoretical 1C Current 16A BMS 4S 20A BMS Battery Type Rechargeable Dimensions / Weight Approx. 53 ×157 ×135 mm / Approx. 1.5 kg* Connector 5mm DC Jack / 2-Pin JST 54mm* Wire Length 5cm* Wire Customized Length Available

TECHNICAL SPECIFICATIONS

Nominal Voltage: 14.8V
Capacity: 16000mAh
Energy: 236.8Wh
Chemistry: Lithium-Ion
Maximum / BMS Current: 20A
Charging Voltage: 16.8V
Product Category: 4 Cell 15V Li-Ion Battery Pack (14.8V~16.8V)

PRODUCT DESCRIPTION

Power Pack 14.8V 16000mAh 4S8P 1C BMS 20A Lithium-Ion Rechargeable NMC Battery Pack The Power Pack 14.8V 16000mAh 4S8P 1C BMS 20A Lithium-Ion Rechargeable NMC Battery Pack is a high-capacity rechargeable battery pack designed for portable electronics, robotics, industrial equipment, backup power systems, and custom applications requiring a reliable 14.8V power source. This battery pack uses 18650 NMC lithium-ion cells arranged in a 4S8P configuration, providing 14.8V nominal voltage and 16000mAh (16Ah) capacity. The integrated 4S 20A BMS helps protect the battery during charging and discharging. 4S8P Configuration The battery pack uses a 4S8P configuration with a total of 32 cells: 4S = 4 cell groups connected in series 8P = 8 cells connected in parallel in each group Total cells = 4 ×8 = 32 cells Cell capacity = 2000mAh Parallel group capacity = 2000mAh ×8 = 16000mAh Nominal pack voltage = 3.7V ×4 = 14.8V Maximum charge voltage = 4.2V ×4 = 16.8V Energy capacity = 14.8V ×16Ah = 236.8Wh The 4S configuration provides the 14.8V nominal voltage, while the 8P configuration increases the capacity to 16Ah. 4S 20A BMS Protection The battery pack is equipped with a 4S 20A BMS to help protect the battery cells during charging and discharging. Typical protection functions include: Overcharge protection Over-discharge protection Over-current protection Short-circuit protection Cell voltage monitoring Charging protection Discharging protection The actual continuous current capability depends on the selected cells, BMS design, wiring, connectors and overall pack construction. Charging Use a dedicated 16.8V NMC/Li-ion charger for this 4S battery pack. Charging specifications:

LION BATTERY

PRODUCT DATASHEET

Nominal battery voltage: 14.8V Maximum charge voltage: 16.8V Recommended charger: 16.8V Li-ion charger Battery chemistry: NMC Lithium-Ion Do not use a 14.6V LiFePO4 charger for this NMC battery pack. Applications This 14.8V 16Ah battery pack can be suitable for: Portable electronic equipment Robotics Industrial equipment CCTV and security systems LED lighting IoT devices Communication equipment Measuring instruments Portable power systems DIY electronics Backup power applications Custom electronic equipment Small electric equipment Key Features 14.8V nominal voltage 16000mAh / 16Ah capacity 4S8P configuration 32 ×18650 cells NMC lithium-ion chemistry 1C cell discharge rating 4S 20A BMS Approx. 236.8Wh energy capacity Rechargeable battery design High-capacity configuration Custom connector and wire options available

Generated from published product information. Verify specifications before engineering or procurement use.