

LIONBATTERY

TECHNICAL DATA SHEET

Power Pack 3.7V 2000mAh 1S1P 1C BMS 2A Lithium-Ion Rechargeable NMC Battery Pack

1. Product Overview

The Power Pack 3.7V 2000mAh 1S1P 1C BMS 2A Lithium-Ion Rechargeable NMC Battery Pack is suitable for applications requiring a compact rechargeable lithium-ion power source.

2. Technical Specifications

Specification	Details
Product Name	Power Pack 3.7V 2000mAh 1S1P 1C BMS 2A Lithium-Ion Rechargeable NMC Battery
Battery Chemistry	Lithium-Ion / NMC
Cell Brand	CJ
Cell Type	18650 / Cylindrical Cell
Cell Specification	3.6V 1800/2000mAh
Cell Discharge Rating	1C
Series Connection	1
Parallel Connection	1
Total Number of Cells	1
Nominal Voltage	3.6V
Maximum Charging Voltage	4.2V
Nominal Capacity	2000mAh / 2Ah
Energy Capacity (Wh)	7 Wh
BMS	1S 2A BMS
Cell Balancing	Passive
Temperature Protection	Null
Interconnection	Nickel Strip
Output Wire	26 AWG Wire
Output Connector	2pin JST 2.54mm Female Connector
Approx. Dimensions	20 × 20 × 68 mm
Approx. Weight	50 g
Cycle Life	Up to 600 Cycles* 80% DOD

3. BMS, Wiring & Connector

- 1S 2A Battery Management System (BMS).
- NTC temperature sensor is not included for temperature protection.
- 26 AWG 70mm length output cable is provided.
- Output is terminated with an 2.54mm Female Connector
- actual pack output current is limited by the selected 2A BMS and Peak 3A complete pack design

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Notes:

- Use a dedicated 4.2V CC/CV lithium-ion charger suitable for a 1S NMC battery pack.
- Do not charge above 4.2V.
- Do not Discharge below 2.9V.
- Do not short-circuit the battery pack.
- Operate and charge within the limits specified by the battery/BMS design.
- Keep the battery away from excessive heat, water and mechanical damage.