

7.4V 5200mAh 2S2P 18650 lithium-ion battery pack | THOR-18650-2S2P-5200

Model: THOR-18650-2S2P-5200 Nominal: 7.4 V / 5200 mAh / 38.48 Wh Issued: 2026-09-11

1. Mechanical Characteristics

Model	THOR-18650-2S2P-5200
Product Type	Finished 18650 battery pack
Cell Type	Cylindrical Li-ion (INR, steel can)
Cell Configuration	2S2P (4 × THOR-18650-26E)
Cathode / Anode	NMC / Graphite
Dimensions (W×H×D)	37 × 65 × 37 mm (bare pack)
Weight	Approx. 200 g
Cell Connection	Nickel strip spot welding
PCM / BMS	Included (current limit configured per application)
NTC Thermistor	Optional
Connector	DC4017 (custom available)
Wire Length	UL1007 22 AWG
Sleeve	PVC heat-shrink (custom labelling available)

2. Electrical Specifications

Nominal Voltage	7.4 V
Rated Capacity	5,200 mAh
Energy	38.48 Wh
Charge Voltage	8.40 ± 0.1 V
Standard Charge	0.5C constant current, CV to 8.4 V, cut-off 0.02C
Max. Charge Current	1C
Discharge Cut-off Voltage	5.50 V
Standard Discharge	0.2C
Max. Continuous Discharge	2C (10.4 A) at cell level - pack ceiling set by the fitted PCM
Cycle Life	>= 500 cycles @ 0.5C, >= 80% capacity
Charge Temperature	0°C ~ 45°C
Discharge Temperature	-20°C ~ 60°C
Storage Temperature	-10°C ~ 45°C (1 month)
Self-Discharge	<= 3% per month

3. Protection Circuit (PCM)

Overcharge Detection	8.56 ± 0.06 V
Overcharge Release	8.16 ± 0.1 V
Over-discharge Detection	5.50 ± 0.1 V
Over-discharge Release	6.00 ± 0.1 V
Overcurrent Protection	Configurable per application
Short-circuit Protection	Yes, auto-recovery

Note: Values shown are THOR Power standard specifications for this cell class. Final parameters are confirmed in the engineering datasheet for your configuration. Certifications: UN38.3 / MSDS available; CE, KC, ROHS on request. Custom size, capacity, connector, wire length and PCM/BMS available.