



PRODUCT SPECIFICATION SUMMARY

7.4V 5000mAh Battery Pack

New Journey can quote two layouts for the 7.4V 5000mAh battery pack. Both provide 37Wh: an 18650 2S2P build or a 21700 2S1P build. The choice is the footprint and mass, rather than nominal energy, allowing device teams to select the arrangement that fits their housing and restraint design.

Compiled from the product page for initial selection. This is not a signed factory specification or a test report. Reference configurations are for selection; final supply follows the approved order configuration.

Technical Specifications

Item	Specification
Product Name	7.4V 5000mAh Battery Pack
Brand	New Journey
Nominal Voltage	7.4V
Rated Capacity	5000mAh (5Ah)
Minimum Rated Capacity	4950mAh (4.95Ah)
Nominal Energy	Approx. 37Wh, calculated from 7.4V x 5Ah
Chemistry	NCM
Cell Options	18650 2500mAh cells or 21700 5000mAh cells
Configuration Options	18650: 2S2P; 21700: 2S1P
Housing Material	Heat-shrink film
Maximum Charge Current	2A maximum
Maximum Continuous Discharge	15A; 15A BMS rating
Charging Cut-off Voltage	8.4V maximum
Discharge Cut-off Voltage	5.2V minimum; 6V recommended
Cycle Life	>500 cycles with more than 80% initial cell capacity retained
18650 2S2P Dimensions / Weight	Approx. 38 x 38 x 67mm / 0.20kg
21700 2S1P Dimensions / Weight	Approx. 45 x 22 x 72mm / 0.18kg
Connector Options	JST, DC5521 or another approved interface
Certification / Transport Documents	To be confirmed for the ordered configuration and destination

Configuration and rating notes

The 7.4V 5000mAh Battery Pack cannot be specified completely by voltage and capacity alone. The 18650 version is approximately 38 x 38 x 67mm and 200g, while the 21700 version is approximately 45 x 22 x 72mm and 180g. These alternatives suit different cavities. The selected cell platform should remain fixed in repeat orders alongside the connector and lead route.