



PRODUCT SPECIFICATION SUMMARY

6S 150Ah UAV Battery

New Journey provides quotations for the 6S 150Ah UAV battery with optional dual AS150 outputs. The 21.0V assembly offers 3150Wh and a 300A continuous rating. For aircraft using two output branches, each branch needs its own wiring and load assessment; 300A is not a per-connector rating.

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

Parameter	Specification
Model	6S150Ah
Cell designation	155118365-150000mAh
Cell type	Semi solid
Series configuration	6S
Nominal voltage	21.0V
Capacity	150Ah / 150000mAh
Nominal energy	3150Wh (nominal voltage × capacity)
Cell energy density	400Wh/kg (cell value)
Maximum charge current	150A (1C)
Charge cutoff voltage	25.8V
Discharge cutoff voltage	15.0V at T ≥ 0°C; 13.2V at T < 0°C
Continuous discharge current	300A (2C)
Maximum discharge current	750A (5C), 10 seconds, SOC > 50%

Operating conditions

Condition	Specification
Working temperature	-40 to 55°C
Storage temperature	-20 to 40°C
Storage humidity	<85% RH
Cycle-life reference	500 cycles



Mechanical and interface details

Mechanical item	Specification
Body dimensions (W × T × H)	105 × 125 × 410mm; each ±5mm
Approximate body weight	8.2kg

Connection options

Optional interface	Configuration
Main cable and connector	6AWG, 150mm × 2 output pairs; AS150
Balance harness and connector	22AWG, 150mm; XH-7P (B0-B6)

Configuration and rating notes

Operating-temperature limits do not by themselves define permitted charging temperatures. Apply the approved charging profile, load conditions and finished-harness limits for the ordered configuration.