



PRODUCT SPECIFICATION SUMMARY

6S 16000mAh UAV Battery

New Journey's quotation for the 6S 16000mAh UAV battery supports a 22.2V aircraft design. The 355.2Wh pack lists 48A continuous discharge and weighs about 1.48kg in a 50 x 78 x 195mm body. Its stated 270Wh/kg cell rating is separate from the complete pack's weight and installation envelope.

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
Reference configuration	6S16Ah
Battery type	semi solid state lithium battery
Configuration	6S1P
Nominal voltage	22.2V
Nominal capacity	16000mAh / 16Ah
Nominal energy	355.2Wh
Cell energy density	270Wh/kg cell value
Maximum charge current	16A at 1C
Charge cutoff voltage	25.2V
Discharge cutoff voltage	15.0V

Technical Specifications

Parameter	Specification
Continuous discharge	48A at 3C
Maximum discharge	Up to 160A at 10C; applicable peak duration defined for the approved configuration
Cycle-life reference	Approx. 200-400 cycles; around the end of this range, available capacity typically declines to about 80% of initial rated capacity under specified conditions*
Working temperature	-20 C to 55 C
Storage conditions	-20 C to 40 C; below 85% RH
Dimensions (W x T x H)	50 x 78 x 195 mm; tolerance +/-3 mm
Weight	Approx. 1480g
Power lead	12AWG, 150 mm, optional
Power connector	XT60, optional
Balance harness	22AWG, 150 mm, optional
Balance connector	XH-7P for B0 through B6, optional

Configuration and rating notes

The sample record should state the battery version, mass and finished harness. A connector that mates physically does not establish compatibility with another 16Ah model's current rating or charging limit.