



PRODUCT SPECIFICATION SUMMARY

8S 40000mAh UAV Battery

Choose New Journey as the supplier for this 8S 40000mAh UAV battery configuration. Its 29.6V pack provides 1184Wh and 120A continuous discharge at about 3.44kg. The CGB10087191NSH cells have a stated 350Wh/kg rating, distinguishing this build from the separate 80A, 40Ah option.

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	8S40Ah
Battery type / cell	semi solid state lithium battery; CGB10087191NSH-40000mAh
Configuration	8S
Nominal voltage	29.6V
Nominal capacity	40000mAh / 40Ah
Nominal energy	1184Wh, calculated from 29.6V x 40Ah
Cell energy density	350Wh/kg individual-cell value
Maximum charge current	20.0A at 0.5C
Charge cutoff voltage	34.0V
Discharge cutoff voltage	20.0V
Continuous discharge	120A at 3C
Maximum discharge	400A at 10C; applicable duration follows the approved battery configuration and operating conditions
Cycle life reference	Approx. 200-400 cycles; available capacity typically declines to about 80% of initial rated capacity by the end of this range under specified conditions ¹
Working temperature	-20°C to 55°C
Storage conditions	-20°C to 40°C; below 85% RH
Dimensions (W x T x H)	93 x 90 x 205mm; tolerance +/-5mm
Weight	Approx. 3440g