



PRODUCT SPECIFICATION SUMMARY

6S 4200mAh FPV Battery

New Journey can quote the 6S 4200mAh FPV battery around your aircraft's motor demand. The 93.24Wh pack weighs about 574g and has a 135mm-long body. It lists 147A continuous discharge and a 294A peak for up to three seconds, allowing sustained and brief loads to be assessed separately.

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	Specified value
Cell designation	7643125-4200mAh
Cell type	semi solid
Series configuration	6S
Nominal capacity	4200mAh / 4.2Ah
Nominal voltage	22.2V
Nominal energy	93.24Wh
Maximum charge current	12.6A (3C)
Charge cut-off voltage	25.2V
Discharge cut-off voltage	18.0V
Continuous discharge	147A (35C)
Peak discharge	294A (70C), for no more than 3 seconds
Cycle-life reference	200 cycles

Operating conditions

Condition	Specified range
Charge temperature	0-55°C
Discharge temperature	-20-60°C
Storage temperature	0-35°C
Storage humidity	Below 85% RH



Mechanical and interface details

Mechanical item	Specified value
Width W / thickness T / height H	45±5mm / 47±5mm / 135±5mm
Pack weight	Approximately 574g

Connection options

Optional main connection	Reference configuration
Main cable	14AWG, 100mm
Power connector	XT60

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.

The sample-fit check should show how the pack is restrained and how the leads move when connected. Compare those points with the agreed airframe layout before a bulk order. The finished harness and connector arrangement still need approval for the stated current demand.