



PRODUCT SPECIFICATION SUMMARY

3.8V 16000mAh 25C LiPo Cell

New Journey handles sample quotations for the 3.8V 16000mAh 25C LiPo cell. Pack designers can assess 60.8Wh in a maximum 166.5 x 80.5 x 11.9mm body at about 305g. The 4.35V charge profile supports HV cell selection; the 25C cell rating requires separate qualification of the finished pack.

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.

Electrical and Mechanical Reference

Parameter	Specification / qualification
Source model	JS1280165, 3.8V cell reference
Product form	Pouch cell
Nominal voltage	3.8V
Rated capacity	16Ah
Nominal energy	60.8Wh (calculated from nominal voltage and rated capacity)
Normal / absolute charge ceiling	4.35V / 4.38V
Discharge cut-off	3.0V
Standard / maximum charge	8A / 16A
Source maximum discharge	400A (25C), cell basis; assembly qualification required
Maximum body size	166.5 x 80.5 x 11.9mm (L x W x T)
Tabs	25 ± 0.1mm width; 15 ± 2mm length; 36 ± 2mm center spacing
Reference cell mass	305g
Cell impedance	≤2mΩ at 1kHz

Configuration and rating notes

This 16Ah item is a single pouch cell for a designed battery assembly. Its 3.8V nominal rating and 4.35V normal charging ceiling describe the cell, not a multi-series aircraft battery. The 25mm-wide tabs and 11.9mm maximum body thickness give the pack designer concrete dimensions for planning insulation, interconnections and support.

The 16Ah LiHV pouch cell specifies 4.35V normal charging, 4.38V absolute maximum and 3.0V discharge cut-off. Standard charge is 8A and the listed maximum is 16A. Those are single-cell values and must be translated through an approved pack design.

When requesting a 3.8V 16Ah drone battery cell, identify the bare-cell scope explicitly. The source has a one-cell BOM despite a carried-over 6S phrase in its scope. Its 305g weight and cell drawing must not be presented as a finished multi-cell pack.