



PRODUCT SPECIFICATION SUMMARY

3.7V 500mAh LiPo Battery

New Journey offers customized connection options for the 3.7V 500mAh LiPo battery. The 602535 cell provides 1.85Wh in an approximately 6 x 25 x 35mm outline, a starting point for small device layouts. Specify protection, plug polarity and lead routing to suit the actual charging circuit.

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	Source Sample / Project Confirmation
Model / Cell Format	602535
Chemistry	Rechargeable lithium polymer pouch cell
Configuration	1S1P
Nominal Voltage	3.7V
Nominal Capacity	500mAh
Nominal Energy	1.85Wh
Charge Voltage	4.2V reference for 1S Li-ion / LiPo
Nominal Cell Format	Approx. 6 × 25 × 35 mm
Measured Sample Axis	35.00 mm shown in supplied caliper photo
Protection	Protection PCB visible on current sample; thresholds project-confirmed
Lead / Connector	Red-black 2-wire sample with small white 2-pin plug; exact housing, pitch and polarity project-confirmed
Current Limits	Project-confirmed from target device load and selected PCM / cell configuration

Configuration and rating notes

For a 602535 battery with connector, identify the mating plug and polarity before fixing the lead route. The sample's two-pin appearance is not a connector specification. The cable bend should fit inside the closed device without pressing on the pouch edge or pulling on the protection board.

The small pouch format can be assessed for trackers, wearables and other compact electronics. Each device still needs its own energy and temperature assessment. Housing clearance is particularly important near board edges, fastening points and cable channels, where the finished assembly may extend beyond the nominal cell outline.