



PRODUCT SPECIFICATION SUMMARY

3.7V 1500mAh LiPo Battery

For a 3.7V 1500mAh LiPo battery quote, send New Journey your device's internal-space drawing. The 803450 cell offers 5.55Wh in an approximately 8 x 34 x 50mm outline. This defines the cell space; the finished installation also needs allowance for protection, wiring and assembly clearance.

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 Reference / Configuration Review
Model / Cell Format	803450
Chemistry	Rechargeable lithium polymer pouch cell
Configuration	1S1P
Nominal Voltage	3.7V
Nominal Capacity	1500mAh
Nominal Energy	5.55Wh
Charge Voltage	4.2V reference for 1S Li-ion / LiPo
Nominal Cell Format	Approx. 8 × 34 × 50 mm
Typical Finished-Pack Reference	Approx. 8 × 34-35 × 52-53 mm with PCM / wires in public 803450 designs
Protection	Protection PCB visible on source sample; thresholds require confirmation for the supplied configuration
Lead / Connector	Red-black 2-wire sample with small white 2-pin plug; housing, pitch and polarity project-confirmed
Current Limits	Project-confirmed from target load and selected cell / PCM

Configuration and rating notes

A pouch-cell code is a starting dimension, not a finished installation drawing. The 3.7V 1500mAh LiPo Battery uses the 803450 format, with protection circuitry and a two-wire connection on the sample. Those features change the space needed around the cell. The device design should support the pouch, protect its edges and accommodate the lead route without placing pressure on the seal or tabs.

A 1500mAh LiPo battery has three times the nominal capacity of the 500mAh reference, but it does not automatically allow three times the current. The selected cell and protection circuit determine the load limit. Device standby use, active current and charging frequency establish whether the 5.55Wh reserve is appropriate.

Portable terminals, monitoring equipment and other handheld devices have different load patterns even when they use the same nominal voltage. A motor or radio may draw brief peaks that a quiet sensor does not. Match the measured operating profile to the chosen cell and protection circuit before assigning the finished assembly to a device.