



PRODUCT SPECIFICATION SUMMARY

36V 4.4Ah Electric Scooter Lithium Battery

For a narrow scooter deck, New Journey can quote the 36V 4.4Ah lithium battery. The 10S2P assembly provides 158.4Wh in a slim 188 x 40 x 68mm body. Separate charging and power connections can be arranged to suit the deck, with their positions and lead routing agreed before supply.

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

Item	Project Specification
Product Name	36V 4.4Ah Electric Scooter Lithium Battery
Brand	New Journey
Battery Type	Rechargeable lithium-ion battery pack
Nominal Voltage	36V
Rated Capacity	4.4Ah / 4400mAh
Nominal Energy	158.4Wh
Cell Format	18650 cylindrical lithium-ion cells
Cell Capacity	2200mAh per cell
Cell Configuration	10S2P
Cell Quantity	20 cells
Full-Charge Reference	42V for standard 10S lithium-ion architecture
Standard Size	188 × 40 × 68 mm
BMS	Protection board included; current settings confirmed according to the controller and duty cycle
Output Connector	XT60 shown in reference image; XT90 / Anderson / other connector options available by project
Charging Connector	DC barrel connector shown in reference image; final charging interface configurable
Wire Length	Customizable according to installation requirements
Protection Functions	Overcharge, over-discharge, over-current and short-circuit protection; final BMS functions follow approved design
OEM / ODM	Voltage, capacity, connector, wire length, label and packaging can be customized

Configuration and rating notes

A small-capacity battery can still be asked to deliver demanding current during launch, acceleration or hill climbing, which is why BMS current should not be selected from capacity alone. New Journey reviews controller continuous current, peak current, rider load and expected duty cycle before finalizing protection settings and cable specification. When an OEM project uses a 10S2P scooter battery pack, the important commercial benefit is that the electrical platform can be configured around the scooter instead of relying on an unverified generic discharge claim. This reduces the risk of nuisance BMS trips, excessive voltage sag or overheated wiring after the battery is installed in the real vehicle.