



PRODUCT SPECIFICATION SUMMARY

51.2V 105Ah Golf Cart Lithium Battery

For a 48V-class cart, New Journey offers a quote on the 51.2V 105Ah lithium battery. It provides 5.376kWh at about 47kg, with RS485, Bluetooth monitoring and an external SOC display. These features support battery-status access; the tray and charger must suit the case and 58.4V charge profile.

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

Specification	Details
Market Voltage Class	48V
Nominal Voltage	51.2V
Cell Configuration	16S1P LiFePO4
Rated Capacity	105Ah
Nominal Energy	5.376kWh
Charge Voltage	58.4V
Nominal / Max Charge Current	52.5A nominal / 105A maximum
Project Charger	58.4V LiFePO4; 25A standard option; up to 50A after project review
Standard / Max Continuous Discharge	105A standard / 200A maximum continuous
Peak Discharge	400A for 35 seconds
Discharge Cut-off Voltage	40V
BMS	200A Smart BMS, matched to approved pack configuration
Communication	RS485 standard; Bluetooth APP + external SOC display; CAN optional after controller matching
Ingress Protection	IP67
Reference Size / Weight	500 × 318 × 231 mm (±3 mm; excluding terminals/handles) / 47 kg
Operating Temperature	Charge 0-55°C / Discharge -20-60°C
Cycle Life Test	≥3500 cycles to 80% retained capacity under source test method