



PRODUCT SPECIFICATION SUMMARY

12V 10Ah LiFePO4 Battery Pack

New Journey is a supplier of the 12V 10Ah LiFePO4 pack for compatible small equipment. Its 12.8V platform provides 128Wh and 20A continuous discharge in a 98 x 98 x 152mm plastic case. At about 1.2kg, the narrow footprint is a practical selection point when space around the battery is limited.

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	Reference Specification
Product Name	12V 10Ah LiFePO4 Battery Pack
Brand	New Journey
Chemistry	LiFePO4
Nominal Voltage	12.8V
Rated Capacity	10Ah
Minimum Rated Capacity	9.5Ah
Nominal Energy	128Wh (calculated from 12.8V × 10Ah)
Cell Format	26700 LiFePO4 cylindrical cell, 5000mAh
Cell Configuration	4S2P
Housing Material	Plastic housing
Standard Charge	0.2C CC to 14.4V, then 14.4V CV until charge current declines to ≤0.05C
Reference Charge Time	Approx. 6 hours under the stated standard-charge method
Charging Cut-off Voltage	Source lists ≤14.6V; 14.4V recommended
Maximum Charge Current	10A
Standard Discharge	0.2C constant-current discharge to 10.4V
Discharge Cut-off Voltage	Source lists ≥8V; 10.4V recommended
Maximum Continuous Discharge	20A reference; source notes this can be adjusted according to customer requirements
Peak Current	30A reference; permitted peak duration not supplied
Cycle-Life Reference	≥1000 cycles with remaining cell capacity above 80% of initial capacity; full cycle-test conditions not supplied
Operating Temperature	Charge: 0-55°C; Discharge: 0-55°C; supplied sheet also notes cell surface temperature ≤80°C during discharge
Storage Temperature	Less than 1 year: 0-25°C; less than 3 months: -10-45°C
Approx. Weight	1.2kg, as stated in the supplied specification; confirm for final production SKU
Maximum Dimensions	98 × 98 × 152mm (L × W × H), based on supplied Length / Width / Height values
Optional Communication	RS485, CAN, Bluetooth