

Description

Renogy 12V 100Ah Trolling Motor Battery delivers 150A of continuous output, providing twice the runtime of lead acid batteries in a housing that is over 50% lighter. Paired with the Renogy App through Bluetooth connectivity, this compact auxiliary battery allows you to check real-time power usage and stay confident.

Key Features

Lightweight Power for Boats

With half the weight of a lead-acid battery, this trolling motor battery helps you navigate on water and secure fishing spots faster.

Consistent Power Output

Keep trolling motors running strong so you can fish all day long in lakes or coastal areas. Also compatible with 24V and 36V trolling motors in series connection.

Best-in-Class Battery Protection

Includes a smart battery management system (BMS) that provides a wide range of safeguards to reduce risks in harsh conditions, including:

- High/low voltage protection
- Charge/discharge overcurrent protection
- Short circuit protection
- High/low temperature protection

At-a-Glance Power Monitoring

Stay worry-free with Bluetooth connectivity and the Renogy App. Check real-time power levels at your fingertips when the motor and fishing gear are in use.

Ready for Harsh Conditions

Encased in a waterproof, dustproof, and corrosion-resistant housing to protect the battery cells from splashes for lasting operation in years to come.



Recommended Accessories



Renogy App

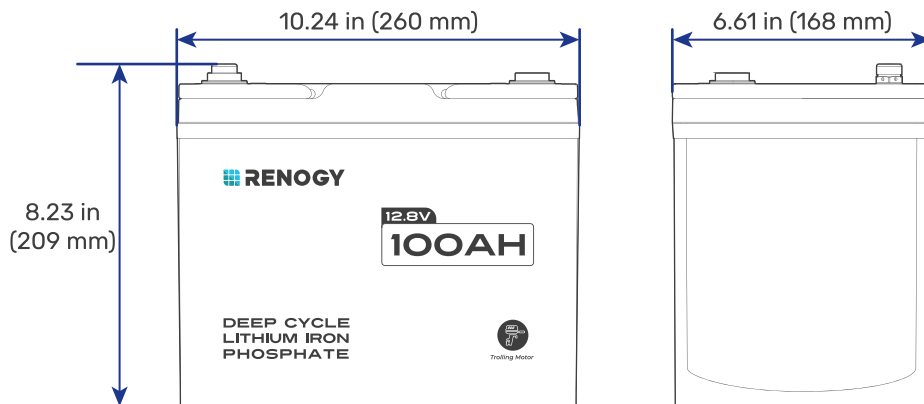
Monitor real-time power statistics and receive alerts on your phone or tablet.



20A Portable AC to DC Battery Charger

Keep boat batteries powered and ready for the next fishing trip. The charger's LED indicators help you identify real-time status for optimized charging and maintenance.

Product Dimensions



Technical Specifications

Electrical Data

Model	RBT12100LFP-TM-BT
Battery Cell Type	Prismatic
Cell Chemistry	LiFePO4
Rated Voltage	12.8V
Rated Capacity (0.5C, 25°C)	100Ah
Voltage Range	10-14.6V
Cycle Life (0.5C, 25°C)	5,000 Cycles (80% DOD)
Maximum Continuous Charge Current	100A
Maximum Continuous Discharge Current	150A
Peak Discharge Current	300A@30s
Short Circuit Protection	1,550A
Connection Method	4S/4P/4S4P

Temperature Specifications

Charge Temperature	32°F to 131°F / 0°C to 55°C
Discharge Temperature	-4°F to 131°F / -20°C to 55°C
Storage Temperature	32°F to 113°F / 0°C to 45°C
Operation Relative Humidity	5% to 95%

Mechanical Specifications

Weight	21.83 lbs / 9.9kg
Dimensions (LxWxH)	10.24 x 6.61 x 8.23in / 260 x 168 x 209mm
Communication Protocol	Bluetooth
Terminal Bolt Size	M8 Terminal
Housing Material	ABS
Protection Rating	IP67
Shipping Class	UN3480, Class 9
Certifications	CE, FCC, IC, UKCA, RCM, UN38.3, R10
Warranty	5-Year Prorated Material and Workmanship Warranty

Package Contents

User Manual	Yes (x1)
Long Terminal Bolt	Yes (x2)
Insulating Sleeve	Yes (x2)

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These data sheets can be found in the downloads section of our website, www.renogy.com.