

Description

The Renogy Pro 150Ah Underseat LiFePO4 Battery is designed for motorhome and mobile off-grid applications, providing reliable energy storage while helping maximize available living and cargo space.

Engineered with advanced Grade A deep-cycle LiFePO4 cells, it delivers dependable performance with strong resistance to high temperatures, shock, and road vibration. Its underseat form factor allows neat installation beneath the seat, making it suitable for space-limited RV and motorhome layouts.

Integrated Bluetooth, CAN, and CI-BUS communication enable real-time battery monitoring through the Renogy App or Renogy ONE Core, allowing users to easily check battery status and manage power with greater confidence.

Key Features

■ Pack-to-Pack Balancing Technology

Renogy's proprietary pack-to-pack balancing technology helps maintain voltage consistency across series-connected batteries. Operating under a primary-secondary BMS architecture, it helps improve overall system stability, scalability, and long-term reliability.

■ High Continuous Discharge Performance

The Pro 12V 150Ah model delivers up to 200A continuous discharge, equivalent to a 1.33C discharge rate, and supports a 400A peak current for 5 seconds to handle demanding RV and off-grid power applications.

■ Professional RV Connectivity

Integrated Bluetooth, CAN, and CI-Bus communication enable real-time battery monitoring and compatibility with Renogy energy management systems, including the Renogy App and Renogy ONE Core.

■ Comprehensive Battery Protection

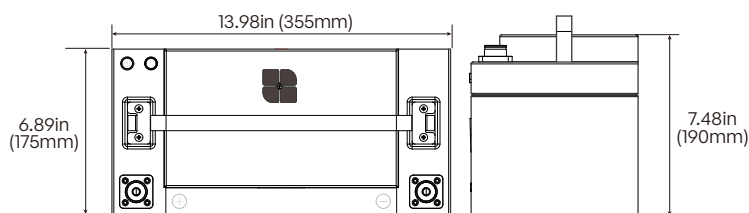
With more than 60 types of protections, the battery provides targeted defense against common electrical and environmental risks, including high/low voltage, overcurrent, short circuit, high/low temperature, and low-temperature charging conditions.

■ Space-Saving Underseat Design

Engineered with a low-profile form factor, the battery fits neatly beneath the driver or passenger seat, helping maximize available living and cargo space in motorhomes and RVs.



Product Dimensions



Pro 12V 150Ah Underseat LiFePO4 Battery

Recommended Accessories



Renogy ONE Core

An all-in-one solution for local/remote energy monitoring and analysis. This smart display panel also includes a leveling system to keep the RV stable, allowing doors to open/close properly.



Renogy App

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

Technical Specifications

Electrical Specifications

Model	RBT-L12150U-B2-G1
Battery Cell Type	Prismatic
Cell Chemistry	LiFePO4
Rated Voltage	12.8V
Rated Capacity (0.5C, 25°C)	150Ah
Voltage Range	10-14.8V
Cycle Life (0.5C, 25°C)	4,000 Cycles (80% DOD, 70% EOL)
Maximum Continuous Charge Current	150A
Maximum Continuous Discharge Current	200A
Peak Discharge Current	400A@5s (2.66C)
Short Circuit Protection	Yes
Self Discharge	≤3%/month
Connection Method	4S/16P/4S4P

Temperature Specifications

Charge Temperature	-22°F to 122°F / -30°C to 50°C
Discharge Temperature	-4°F to 122°F / -20°C to 50°C
Storage Temperature	-4°F to 140°F / -20°C to 60°C
Operation Relative Humidity	0% to 95% RH

Mechanical Specifications

Dimensions (LxWxH)	13.98 x 6.89 x 7.48 in / 355 x 175 x 190 mm
Communication Protocol	2x CAN BUS, 1x CI BUS, Bluetooth
Terminal Bolt Size	M8 Terminal
Recommended Terminal Torque	70.8 in-lb / 8 N-m
Housing Material	SGCC
Flame Retardancy	94V0
Self-Heating	Self-Heating Power: 120W
Heating Temperature	-22°F to 41°F / -30°C to 5°C On, 50°F / 10°C Off
Shipping Class	UN3480, Class 9
Certifications	CE, RoHS, R10, IEC62619
Warranty	7-Year

Renogy and any of its affiliates have reserved the right to make any modifications to the information on this data sheet without notice. It is our goal to supply our customers with the most recent information regarding our products.

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