

12V 104AH

Slim Solid-State Lithium Iron Phosphate Battery

Model: RBT12104LFP-SSL-BT



Upgrade your RV's power system with the **Renogy 12V 104Ah Slim Solid State LFP Battery**, the epitome of compact and powerful energy solutions. This ultra-thin battery fits effortlessly into tight spaces, offering high energy density and superior performance thanks to advanced lithium iron phosphate cells. With a **built-in Battery Management System (BMS)** for comprehensive protection and **integrated Bluetooth and CAN modules** for easy monitoring via the Renogy ONE Display or DC Home mobile app, this battery ensures optimal safety and convenience. Its automatic charge and discharge management, combined with scalability for increased capacity, makes it the perfect choice for reliable, eco-friendly power on all your adventures.

1

Super Slim Design:

Ultra-thin profile that fits perfectly into tight spaces in your RV.

2

High Safety and Performance:

Uses advanced lithium iron phosphate cells for high energy density and excellent performance in high temperatures.

3

Comprehensive Protection:

Built-in Battery Management System (BMS) for safeguarding against over-discharge, over-charge, over-current, short circuits, and temperature extremes.

4

Smart Connectivity:

Integrated Bluetooth and CAN Communication for easy monitoring with Renogy ONE display or DC Home mobile app.

5

Automatic Management:

Intelligent charge and discharge management for optimal battery health and performance.

6

Scalability and Versatility:

Supports multiple batteries in series or parallel for larger systems, operates quietly, and functions effectively across a wide temperature range.

General

Model	RBT12104LFP-SSL-BT
Battery Cell Type	Lithium-iron Phosphate
Rated Capacity (0.5C, 25C)	104Ah
Nominal Voltage	12.8V
Voltage Range	10.8V to 14.8V
Cycle Life	≥3200 cycles (100% DOD, 1C charge/discharge, 25°C)
Dimension	22.8 x 11.4 x 2.4 in / 579 x 290 x 60 mm
Weight	28.7 lbs / 13 kg
Connection Method	Maximum 4 Series and 8 Parallel
Terminal Bolt Size	M8
Protection Rating	IP65
Altitude	<4000m
Certification	UN38.3, IEC62133, MSDS, ROHS, UL1973, FCC-ID, FCC-IC, PSE, CE, UKCA
Warranty	7 Years

Operation Parameters

Charge Voltage	14.4V
Max. Continuous Charge Current	100A
Recommended Charge Current	90A
Max. Continuous Discharge Current	200A
Peak Discharge Current	260A @ 30s
Charge Temperature Range	32°F to 122°F / 0°C to 50°C
Discharge Temperature Range	-4°F to 140°F / -20°C to 60°C
Storage Temperature Range	-4°F to 140°F / -20°C to 60°C
Operation Relative Humidity	5% to 95%