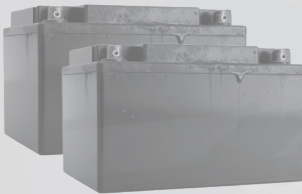


From Lead-Acid to Lithium Smarter, Safer Power

For decades, lead-acid batteries powered vehicles and off-grid systems. But times have changed. Lithium batteries are lighter, smarter, and safer – delivering more cycles, faster charging, and advanced protection.

Lead Acid Batteries
2 X 12V 100Ah Lead Acid Batteries

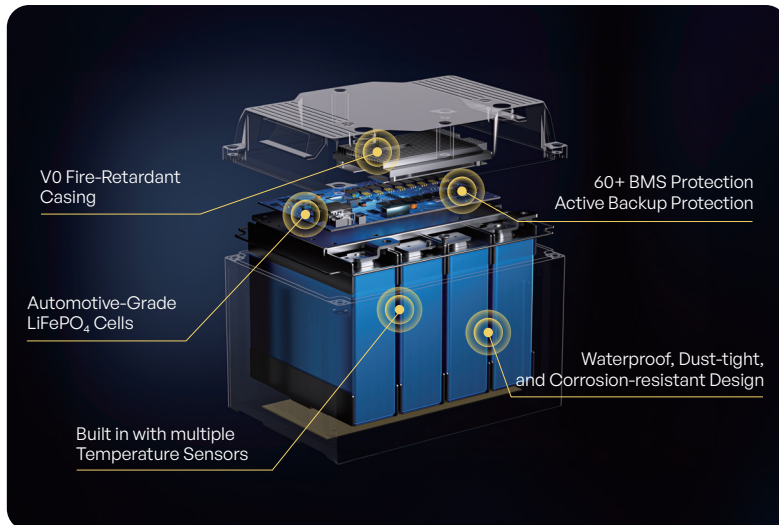
- 55kg ✗
- 1 Year Warranty ✗
- No Battery Protection ✗
- 500 - 1000 Cycles ✗
- 50% Depth of Discharge ✗

Renogy Pro Lithium Battery
12V 100Ah Pro LifePO4



- ✓ 12.2 kg
- ✓ 7 Year Warranty
- ✓ Internal Smart BMS
- ✓ 5000 Cycles
- ✓ 100% Depth of Discharge

What's Inside the Renogy Pro 100Ah LiFePO₄ Battery?



V0 Fire-Retardant Casing:

Protects against vertical burning and fire hazards (UL94 V-0 standard).



Automotive-Grade LiFePO₄ Cells:

High-performance cells for long life, lightweight design, and consistent power.



60+ BMS Protection:

EV-grade Battery Management System monitors and protects the battery in real-time.



Active Backup Protection:

Cuts off the circuit 40x faster than conventional protection if a MOSFET switch fails.



Waterproof, Dust-Tight, Corrosion-Resistant:

IP67 and ISO 9227 certified, safe for harsh environments.

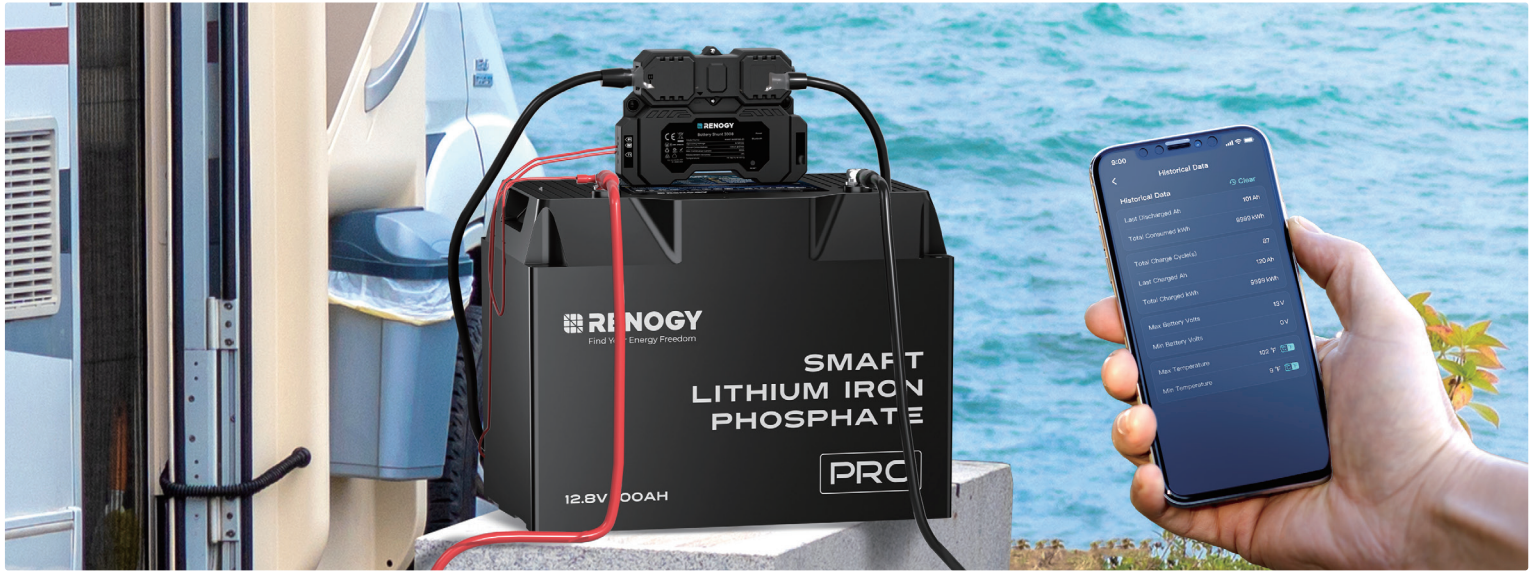


Multiple Temperature Sensors:

Monitors heat and cold, works with self-heating system for safe operation in extreme temperatures.

Renogy Pro 100Ah/200Ah LiFePO₄

Power That Works Smarter



Charge with Confidence

Works safely in temperatures as low as -20°C up to 55°C

Reliable Power Anywhere

Delivers stable performance from -20°C to 60°C, even in extreme conditions



Model No.	RBT12100LFP-BT	RBT12200LFP-BT
Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate
Nominal Voltage	12.8V	12.8V
Rated Capacity	100Ah (0.5C, 25°C)	200Ah (0.5C, 25°C)
Communications	Bluetooth	Bluetooth
Cycle Life (0.5C, 25°C)	5000 Cycles (80% DOD, 80% EOL)	5000 Cycles (80% DOD, 80% EOL)
Maximum Charge Current	100A	200A
Peak Discharge Current	245A@30s	270A@30s
Flame Retardancy	UL94 V-0	UL94 V-0
Charge Temperature Range	-20°C to 55°C	-20°C to 55°C
Discharge Temperature Range	-20°C to 60°C	-20°C to 60°C
Connection Method	Parallel (Up to 8)	Parallel (Up to 8)
Housing Material	PC/ABS	PC/ABS
Dimensions	268 x 193 x 205 mm	467 x 212 x 208 mm
Weight	12.2 kg	23 kg
Certification	IEC62619, MSDS, UN38.3, FCC, CE, PSE, and UKCA	IEC62619, MSDS, UN38.3, FCC, CE, PSE, and UKCA
Warranty	7 Year	7 Year



www.renogy.com

Renogy on Youtube : <https://www.youtube.com/@RenogySolar/>

Discover how the Renogy Pro 100Ah LiFePO₄ Battery delivers smarter, safer, and more reliable power. Watch our test video to see the battery in real-world conditions.

