



24V 25Ah Lithium Iron Phosphate Battery



RENOGY 24V 25Ah Lithium Iron Phosphate Battery

One-step power solution for your 24V power system. The Renogy 24V Lithium Iron Phosphate Battery is designed for the drop-in replacement of AGM and GEL batteries. Upgrade your power system with this light, compact, safe, and powerful 24V LiFePO₄ Battery. Offer an exceptional life span of 5 years and more than 2000 cycles, built-in BMS system for safe charging and discharging, IP65 waterproof, and fast charging speed. It can be utilized for golf carts, medical computer carts, wheelchairs, electric pallet jacks, and other off-grid systems.

KEY FEATURE

- **Uncompromising Quality**
Exceptional lifespan with more than 2000 cycles (80% DOD), 4 times of lead-acid battery. Wide discharging temperature range from -4°F to 140°F, IP65 waterproof. Fearless of extreme climates, back up your wild adventures.
- **Easy Upgrades**
A space-saving choice for your 24V power system. Upgrades from lead-acid to lithium seamlessly with a greater energy density, 100% usable capacity and a faster-charging speed.
- **Longer Shelf Life**
Automatically switch to energy-saving mode in 30s. The self-discharge rate is as low as 3% per month. Offers good performance on storage and endurance.
- **Safe and Reliable**
The state-of-the-art battery management system (BMS) provides short circuits, overcharging, and over-temperature protection while maintaining a balanced voltage across all cells. Ensures reliable power output and a longer lifespan.
- **Powerful Output**
Up to 8 batteries can be easily connected in parallel. Auto-balancing function, improve the average charging efficiency of your batteries over extended use.
- **Certified Performance**
Reliable output and ultra safety. Performance certified with MSDS, UN38.3, FCC, CE, UKCA, PSE. IP65 waterproof, protected against water and dust with the fully sealed housing.

Model	RBT2425LFP
Battery Type	Lithium Iron Phosphate
Nominal Voltage	25.6V
Rated Capacity	25Ah (0.2C, 25 °C)
Charge Voltage	29.0V±0.2V
Float Voltage	N/A
Equalization Voltage	N/A
Maximum Charge Current	25A
Maximum Discharge Current	25A
Cycle Life	>2000 Cycles (0.2C, 25 °C, 80% DOD, 80% EOL)
Charge Temperature Range	32°F~113°F (0°C~55°C)
Discharge Temperature Range	-4°F~140°F (-20°C~60°C)
Storage Temperature Range	Less Than 1 Year: 32°F~77°F (0°C~25°C) Less Than 3 Months: 14°F~95°F (-10°C~35°C)
Operation Relative Humidity	10%~95%
Self-Discharge Rate	≤3%/Month (Shelf Mode)
Internal Resistance	<40mΩ
Tail Current	1.25A
Peukert Exponent	1.05
Connection Method	Parallel (Up to 8)
Communication Protocol	N/A
Terminal Bolt Size	M8 x 1.25 x 12 mm
Recommended Terminal Torque	88.5 inch·lbs~106.2 inch·lbs (10 N·m~12 N·m)
Housing Material	ABS
Protection Rating	IP65
Dimensions	7.7 x 6.5 x 6.6 inch (197 x 166 x 168 mm)
Weight	13.2 lbs. (6 kg)
Certifications	MSDS, UN38.3, FCC, CE, UKCA, PSE

Accessories

Long Terminal Bolts (2)	M8 x 1.25 x 20 mm
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Warranty

Material and Workmanship Warranty	3 Year
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