

RENOGY REGO 12V 400Ah Lithium Iron Phosphate Battery

Time to meet the latest Renogy REGO 12V 400A Lithium Iron Phosphate Battery, 5.12kWh massive capacity able for expansion, provide more power than ever before. Manufactured with top-grade cells, the battery provides an exceptional lifespan of more than 3800 cycles. Advanced BMS provides unprecedented over 60 types of full protections in the market, ensures ultra-reliability and safety, and leads smart batteries to the next era. With built-in intelligent self-heating, keep the stable charging performance of the battery in cold environments effortlessly. Upgrade your off-grid adventures with this powerful and smart battery.



Key Feature

More Power, Less Installation Space

Advanced BMS, Ensure Unprecedented Reliability and Safety

Intelligent Self-Heating Function, More Stable Performance

Specially Design for Vehicle Use

Guaranteed Quality, Certified Performance

Product Specification

GENERAL DATA

Model	RBT12400LFPL-SHBT
Battery Type	Lithium Iron Phosphate
Peukert Exponent	1.01
Connection Method	Parallel (Up to 8)
Communication Protocol	RV-C (CAN Communication Ports), MODBUS (Bluetooth Module)
Input/Output Connector	Anderson 350 Connector
Housing Material	Aluminum
Certifications	MSDS, UN38.3, FCC
Protection Rating	IP65
Dimensions	18.0 x 13.0 x 10.5 inch /457 x 329 x 267.2 mm
Weight	112.4 lbs/51 kg

CHARGER DATA

Nominal Voltage	12.8V
Rated Capacity	400Ah (0.2C, 25°C)
Boost Voltage	14.4V
Float Voltage	N/A
Equalization Voltage	N/A
Maximum Charge Current	5A (-20°C~0°C) 200A (0°C~15°C/50°C~55°C) 300A (15°C~50°C)
Maximum Discharge Current	350A (-20°C~60°C)
Cycle Life	>3800 Cycles (0.2C, 25°C, 80% DOD, 80% EOL)
Charge Temperature Range	32°F~131°F (0°C~55°C)
Discharge Temperature Range	-4°F~140°F (-20°C~60°C)
Storage Temperature Range	Less Than 1 Week: -22°F~140°F (-30°C~60°C) Less Than 6 Months: -4°F~113°F (-20°C~45°C)
Operation Relative Humidity	5%~95%
Self-Discharge Rate	≤1.5%/Month (Shelf Mode)
Internal Resistance	<10mΩ
Tail Current	20A

Compatible Accessories

Sensors	Battery Temperature Sensor (Model: RTSCC) Battery Voltage Sensor (Model: RVSCC)
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