



# 12V 100AH

## SMART LITHIUM IRON PHOSPHATE BATTERY



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The Renogy Smart Lithium Iron Phosphate Battery enables auto-balance among parallel-connections and provides more flexibility for battery connection. The integrated smart battery management system (BMS) not only protects the battery from various abnormal conditions but monitors and manages the charging/discharging process. The state-of-the-art battery cells ensure a long cycle life and exceptional discharge performance.

### KEY FEATURES

#### Auto-Balance

Connects multiple batteries in parallel safely without internal state non-uniformity issues.

#### Ultra-Safety

The battery management system (BMS) provides comprehensive protection to the battery and manages the charging/discharging process wisely.

#### Uncompromised Quality

State-of-the-art battery cells ensure a lifespan of more than 4000 cycles, 100A continuous discharge current, and a wide range of operation temperature.

#### Communication Port

The RJ45 communication ports enable data transmission to meet the needs of different usage scenarios.

## Specifications

Rated Capacity	100 Ah
Nominal Voltage	12.8 V
Voltage Range	10~14.8 V
Maximum Continuous Charging Current	50 A
Maximum Continuous Discharging Current	100 A
Cycle Life	≥4000 Cycles @ 80% DOD
Operating Temperature	-20~50°C / -4~122°F
Storage Temperature	-25~65°C / -13~149°F
Insulation Resistance	500V DC, ≥ 10 MΩ
Dimensions	289 x 172 x 187.5 mm / 11.38 x 6.77 x 7.38 inch
Weight	11.8 kg / 26 lb.
Protection Rate	IP54
Communication Port	RJ45 (RS485 Protocol)
Connection Method	Parallel
Certifications	UN38.3, MSDS, UL1642 (Lithium Cell)

