



REV OV 12.8V 120Ah 1.53kWh



KEY FEATURES

- Ultra-safe Lithium Iron Phosphate (LiFePO_4) technology.
- Integrated battery management System (BMS).
- Light weight & compact.
- Water & dust resistant (IP56).
- Highly durable ABS enclosure.
- Drop-in lead acid replacement (with LI consideration) for static storage.
- Internal BMS for self protecting and maintenance.
- The battery can be connected in series up to 24V.
- Under and over voltage protection.
- The Bluetooth app allows for the display of the battery's Total Voltage, Remaining Voltage, Temperature and Time Left until fully Discharged.

APPLICATION

- Camping Equipment companies.
- 4x4 enthusiasts.
- 24V Backup Systems.

WARRANTY

REV OV Batteries (PTY) LTD:

3 years or 2 000 cycles.

During normal use, the unit can be discharged safely to 90% of its rated capacity. Battery life is shortened if the unit is discharged beyond its rated capacity.

The battery must be charged 100% on every cycle to ensure warranty.

FREEDOM FROM DEPENDENCE

WWW.REV OV CO.ZA

The **12.8V 120 Ah** battery is (LiFePO_4) chemistry and has an integrated battery management system making it the perfect portable power solution.

Lithium Iron Phosphate battery technology has greater energy density and lifecycle, it is a stable chemistry that maintains a high thermal runaway, resulting in a long life at low costs.

CODE: LIFE-12.8V-BTBMS-120-1.53

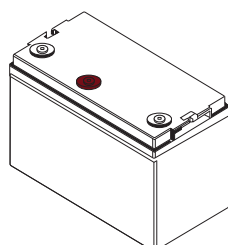
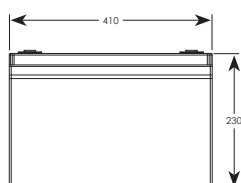
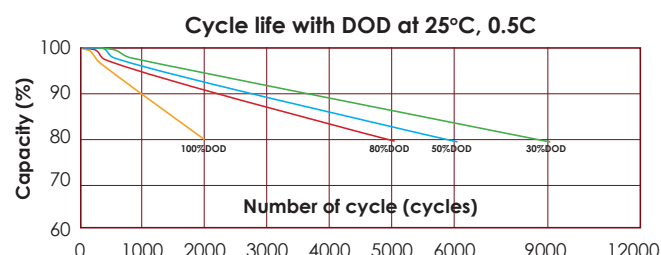
BATTERY SPECIFICATIONS

Items	Characteristics
Nominal Capacity	120Ah
Nominal Energy	1530Wh
Nominal Voltage	12.8V
End of Discharge Voltage	11.5V
Standard Charge Voltage	14.1±0.2V
Float Charge Voltage	13.7V
Standard Charge Current	20A
Operating Current	0 – 100A
BMS peak Current	150A, 10Sec
Internal Resistance	≤20mΩ

Items	Characteristics
Weight	Approx. 21kg, ±5%
Ex-factory Capacity SOC	Approx. 50% SOC
Discharge Temperature	-20°C – 60°C
Charge Temperature (must be reduced at 0°C – 5°C)	0°C – 45°C
Recommended Storage Environment	15 – 45°C @ 75% SOC
Cycle Storage	@ 50% SOC within 6 months

ELECTRICAL CHARACTERISTICS & TEST CONDITION

Items	Standards
Nominal Capacity	≤ 120Ah
Internal Impedance	≤ 40mΩ
Short Circuit Protection under and over Voltage Protection	Auto Cutoff Load when Short Circuit



Remarks:

1. The shell defaults to black highly durable ABS plastic, which can be customised;
2. The positive and negative terminals are M8, with M8 combination screws. (The plug-in spring cable is not equipped by default, and the cable can be customized)

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