



# REV OV 12.8V 100Ah 1,280kWh



## KEY FEATURES

- Ultra-safe Lithium Iron Phosphate (**LiFePO<sub>4</sub>**) 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.
- Under and over voltage protection.
- The Bluetooth app allows for the measurement of the battery's Total Voltage, Remaining Voltage, Temperature and Time Left until fully Discharged.
- USB connection - 5V2A charging interface.

## 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

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The **12.8V 100 Ah** battery is (**LiFePO<sub>4</sub>**) 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-USBA-100-1.3

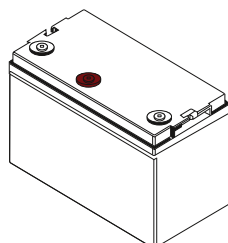
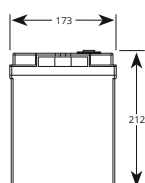
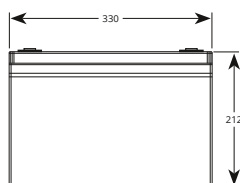
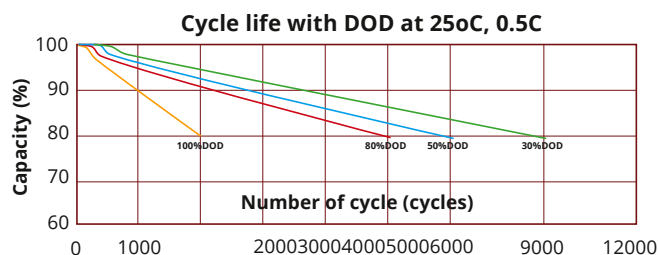
## BATTERY SPECIFICATIONS

Items	Characteristi
Nominal Capacity	100Ah
Nominal Energy	1280Wh
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	20m Ω

Items	Characteristi
Weight	cs Approx. 9kg, ±5%
Ex-factory Capacity SOC	Approx. 50% SOC
Discharge Temperature	-20oC -60oC
Charge Temperature (must be reduced at 0oC -5oC)	0oC -45oC
Recommended Storage Environment	15 -45oC @ 75% SOC
Cycle Storage	@ 50% 56C within 6 months

## ELECTRICAL CHARACTERISTICS & TEST CONDITION

Items	Standards
Nominal Capacity	≤ 100Ah
Internal Impedance	40m Ω
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)