

Beyond Batteries 100Ah 12.8V

1 leisure battery

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The Beyond Batteries 100Ah LiFePO4 Bluetooth battery is the perfect blend of quality and economy. This battery has been designed to affordably replace Lead Acid, Gel and AGM batteries. The foundation of this battery fulfils the needs of Motorhomes, Camper Conversions, Leisure boats and Mobile Workshops.

Key Features

BLUETOOTH MONITORING

Stay in control by monitoring your battery information directly on your mobile phone or tablet. No need for extra dongles, modules or shunts, just open the app to see the battery's state of charge, how much you have left, how much power is coming back in through your charging peripherals like solar, engine power or shore power.

SAFE AND SOUND

The highest quality BMS (Battery Management System) ensures protection against over-charging, over discharging, volatile temperature fluctuations and many other variables which could affect the life of the battery.

LiFePO4 batteries are chemically the safest Lithium batteries on the market. Our batteries have been tested vigorously to ensure our products are as safe as possible.

SMALL AND LIGHTWEIGHT

10.5kg - That's it. Most AGM batteries weigh 30kg and our batteries can be used to their full rating. Comparing an AGM battery of the same physical size you will get:

2X the power! - **3X** lighter weight! - **3X** longer lifespan!

GO BEYOND - POWER YOUR ADVENTURES

Our batteries have a rated minimum lifespan of 3500 cycles at a depth of discharge of 100%.

This means you can use this battery everyday and recharge it every day for nearly 10 years!
Our batteries have been successfully tested beyond 6500 cycles.

Data Sheet

Nominal Capacity 100ah
Nominal Voltage 12.8V
Energy 1280Wh
Charge Voltage 14.6V
Discharge Cut-off Voltage 10V
Charge Method CC/CV
Standard Charge Current 20A
Max Charge Current 100A
Standard Discharge Current 100A
Maximum Continuous Discharge Current 100A
Cycle Life 3500 Times @100% DOD (70% usable capacity remaining) 7000 Times @80% DOD (70% usable capacity remaining) 13000 Times @50% DOD (70% usable capacity remaining)
Connectivity Bluetooth via Xiaoxiang App
Internal Impedance $\leq 80 \text{ m}\Omega$
Dimensions 325 mm x 170 mm x 220 mm
Weight Approximately 10.5 kgs
Charging Temperatures 0°C to 60°C
Discharge Temperatures -20°C to +60°C
Storage Temperature -20°C to +25°C < 1 Year / -40°C to +40°C < 3 Months
Testing and Certifications CE, UN38.3, MSDS
Product Warranty 4 Years from purchase date