

Beyond Batteries 300Ah 12.8V LiFePO4 Smart Lithium leisure battery BB12-300xa



The Beyond Batteries 300Ah 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

31kg - That's it. Most 300Ah AGM batteries weigh 70kg 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.



Specification data sheet

Data Sheet

Nominal Capacity	300ah
Nominal Voltage	12.8V
Energy	3840Wh
Physical connection	M8 Stainless bolts, washers and spring washer - supplied
Linking batteries (Parallel / Series)	Parallel - Up to 12 x 300Ah Batteries
Charge Voltage	14.6V
Discharge Cut-off Voltage	10.8V
Charge Method	CC/CV
Standard Charge Current	10 to 50A
Max Charge Current	100A
Peak Discharge Current	155A up to 5 Seconds
Maximum Continuous Discharge Current	150A
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	≤80 mΩ
Dimensions	L525 mm x W270 mm x H230 mm
Weight	Approximately 31 kgs
Charging Temperatures	0°C to 60°C
Discharge Temperatures	-20°C to +60°C
Storage Temperature	-0°C to +25°C < 1 Year / -20°C to +45°C < 3 Months
Testing and Certifications	CE, UN38.3, MSDS
Product Warranty	4 Years from purchase date



Specification data sheet