

RB40 : 40Ahr, 12V Lithium Battery by RELiON



Price: CAD \$799.00

SKU: RB40

Product Categories: [Batteries](#), [Lithium](#), [Multi-Use : 12V, 20-99Ahr](#), [Shop](#)

Product Tags: [12v](#), [40ahr](#), [canada](#), [rb40](#), [rb40 canada](#), [reliombattery.com](#), [reliombattery.com](#), [reliombattery.com](#)

Product Page:

<https://www.modernoutpost.com/product/rb40-40ahr-12v-lithium-battery-by-reliombattery.com/>

Product Summary

The RB40 is an efficient and fast-charging 12V 40ah lithium battery, powerful yet compact enough to fit in many deep cycle applications. The RB40 is a lithium iron phosphate (LiFePO₄) battery with more power, less weight and up to 10x longer life than its lead-acid counterparts.

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Lithium is the logical choice for applications that will exhaust the batteries or run in extreme weather. RELiON lithium batteries provide more energy for high consumption than traditional lead-acid batteries. Lead-acid batteries also need to be maintained. If they are not maintained properly, their life span is shortened. Because lithium batteries require no active maintenance, a one-time purchase guarantees better lifetime value.

The RB40 is suitable in many outdoor and recreation applications where lighter weight and capacity are key. It's commonly used in the following applications: fishing electronics, robotics, solar lighting, remote power, outdoor adventures, and other deep cycle applications.

RELiON lithium batteries provide more energy for high consumption than traditional lead-acid batteries. They also offer ultra-fast charging and discharging, high efficiency and a longer cycle life – plus no maintenance!

Not all lithium batteries are created equal. All RELiON Batteries use the safest and most stable components, including a LiFePO₄ cathode and a built-in Battery Management System (BMS). The BMS ensures a long lifetime, safe handling – and high-accuracy State of Charge (SOC) calculations.

RB40 Specifications...

ELECTRICAL

Nominal Voltage : 12.8 V

Nominal Capacity : 40 Ah

Capacity @ 25A : 96 min

Energy : 512 Wh

Resistance : ≤50 mΩ @ 50% SOC

Efficiency : 99%

Self Discharge : <3% per Month

Maximum Modules in Series : 4

MECHANICAL

Dimensions (L x W x H) : 197 x 166 x 173 mm (7.8 x 6.5 x 6.8")

Weight : 5.4 kg (12 lbs)

Terminal Type : M8

Case Material : ABS

Enclosure Protection : IP56

Cell Type : Cylindrical

Chemistry : LiFePO4

COMPLIANCE

Certifications : CE (battery)

UN38.3 (battery)

UL1642 & IEC62133 (cells)

Shipping Classification UN 3480, CLASS 9

[Download the Full Spec Sheet](#)]

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 5 kg