

RB50 : 50Ahr, 12V Lithium Battery by RELiON



Price: CAD \$999.00

SKU: RB50

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

Product Tags: [12v](#), [50ahr](#), [canada](#), [rb50](#), [rb50 canada](#), [reliombattery.com](#), [reliombattery.com](#), [reliombattery.com](#)

Product Page:

<https://www.modernoutpost.com/product/rb50-50ahr-12v-lithium-battery-by-reliombattery.com/>

Product Summary

The RB50 is a 12V 50Ah lithium marine deep cycle battery. The RB50 offers abundant power in a small footprint. It's versatile and compact enough to be used in many marine applications including smaller boats with lower battery requirements, boats that require two of the same batteries and boats with electrical systems designed for just one battery.

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The RB50 is a lithium iron phosphate (LiFePO₄) battery with more power, less weight and up to 10x longer life than its lead-acid counterparts. Lithium is the logical choice for marine applications where you need a longer run time and reliability. 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.

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.

RB50 Specifications...

ELECTRICAL

Nominal Voltage : 12.8 V

Nominal Capacity : 50 Ah

Capacity @ 25A : 120 min

Energy : 640 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 : 6.7 kg (15 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