

RB24V52 : 52Ahr, 24V Lithium Battery by RELiON



Price: CAD \$1,659.00

SKU: RB24V52

Product Categories: [Batteries](#), [Lithium](#), [Multi-Use : 24V](#), [Shop](#)

Product Tags: [24v lithium](#), [canada](#), [lfp](#), [lifepo4](#), [lithium](#), [lithium battery](#), [RB24V52](#), [RB24V52 battery](#), [RB24V52 canada](#), [reliion 24v battery](#), [reliion RB24V52](#), [reliion RB24V52 canada](#)

Product Page:

<https://www.modernoutpost.com/product/rb24v52-52ahr-24v-lithium-battery-by-reliion/>

Product Summary

The RELiON RB24V52 is a 24V 52Ah lithium iron phosphate battery - perfect in many applications, including off-grid solar energy systems. It maintains consistent power and is equipped with an M8 terminal type and a built-in battery management

system (BMS). The RB24V52 battery meets UL, CE and IEC certifications.

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All RELiON LiFePO4 batteries have installation flexibility, fast-charging capabilities and are maintenance free.

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.

RB24V52 Specifications In Brief

Voltage : 25.6V (24V Nominal)

Amp Hours : 52Ah

Dimensions

Length : 13 in (329 mm)

Width : 6.8 in (172 mm)

Height : 8.4 in (214 mm)

Weight : 29.1 lbs (13.2 kg)

Electrical

Nominal Voltage : 25.6 V

Nominal Capacity : 52 Ah

Energy 1280 Wh

Efficiency 99%

Self Discharge <3% per Month

Maximum Modules in Series : 1

Maximum Recommended Parallel : 4

Maximum Continuous Discharge Current : 50A

Peak Discharge Current : 100A (7.5s \pm 2.5 s)

BMS Discharge Current Cut-Off : 215A \pm 15A (10 \pm 5 ms)

Recommended Low Voltage Disconnect : 22V

BMS Discharge Voltage Cut-Off : 16V

Short Circuit Protection : 200-600 μ s

Recommended Charge Current : 2.5A to 25A

Maximum Charge Current : 50A

Recommended Charge Voltage : 28.4 V - 29.2 V

Balancing Voltage : 28.8 V

Discharge Temperature : -4 to 140 $^{\circ}$ F (-20 to 60 $^{\circ}$ C)

Charge Temperature (follow low temp limits) : -4 to 113 $^{\circ}$ F (-20 to 45 $^{\circ}$ C)

*Refer to charge currents below 0 $^{\circ}$ C (32 $^{\circ}$ F)

Compliance

Certifications UN38.3 (battery)

CE (battery)

UL1642 (cells) (File# MH64523)

IEC62133 (cells)

Shipping Classification : UN 3480, CLASS 9

[Download the Full Spec Sheet\]](#)

Product Attributes

- Dimensions: 1 \times ; 1 \times ; 1 cm

- Weight: 14 kg