

RB24V20 : 20Ahr, 24V Lithium Battery by RELiON



Price: CAD \$749.00

SKU: RB24V20

Product Categories: [Batteries](#), [Lithium](#), [Multi-Use : 12V, 20-99Ahr](#), [Multi-Use : 24V](#), [Shop](#)

Product Tags: [24v lithium](#), [canada](#), [lfp](#), [lifepo4](#), [lithium](#), [lithium battery](#), [rb24v20](#), [rb24v20 battery](#), [rb24v20 canada](#), [reliion 24v battery](#), [reliion rb24v20](#)

Product Page:

<https://www.modernoutpost.com/product/rb24v20-20ahr-24v-lithium-battery-by-reliion/>

Product Summary

The RELiON RB24V20 is a compact 24V 20Ah lithium iron phosphate battery - perfect in many applications, including solar energy systems. It maintains consistent power and is equipped with an M8 terminal type and a built-in battery management system (BMS). The RB24V20 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.

RB24V20 Specifications

- Nominal Voltage 25.6V - Nominal Capacity 20 Ah - Capacity @ 25A 48 min - Energy 512Wh - Resistance 50 mΩ @ 50% SOC - Efficiency 99% - Self Discharge <3% per Month - Maximum Modules in Series 1 (Single Use)

Discharge Specifications - Maximum Continuous Discharge Current 30 A - Peak Discharge Current 60 A (7.5 s ±2.5 s) - BMS Discharge Current Cut-Off 170 A ±20 A (10 ±5 ms) - Recommended Low Voltage Disconnect 22V - BMS Discharge Voltage Cut-Off 16V (2.0 ±0.08 vpc) (20 ±6 ms) - Reconnect Voltage 20V (2.5 ±0.05 vpc) - Short Circuit Protection 200-600 μs **Charge**

Specifications - Recommended Charge Current 1 A - 10 A - Maximum Charge Current 30 A - Charge Current 32°F to 14°F (0 to -10 °C) ≤0.1 C - Charge Current -4°F to 14°F (-20 to -10 °C) ≤0.05 C - Recommended Charge Voltage 28.4 V - 29.2 V - BMS Charge Voltage Cut-Off 31.2 V (3.9 ±0.025 vpc) (1 ±0.3 s) - Reconnect Voltage 30.4 V (3.8 ±0.05 vpc) - Balancing Voltage 28.8 V (3.6 ±0.025 vpc)

Dimensions & Weight

- Length: 7.7 in (195 mm) - Width: 5.2 in (131 mm) - Height: 6.7 in (171 mm) -

Weight: 11.9 lbs (5.4 kg)

Applications

- Solar [Download the Full Spec Sheet](#)]

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 5.9 kg