



TRUSTED POWER ON AND OFF THE ROAD

RELi³ON[®]



FEATURES AND BENEFITS – LITHIUM

BENEFIT	FEATURE
SAFETY	Inherently safe chemistry. PCB/BMS provides extra protection.
DROP-IN REPLACEMENT	Available in standard industry sizes.
LIGHTWEIGHT	50-60% less weight than lead-acid equivalent.
LONGEST LIFE	Up to 10X longer cycle life than lead-acid equivalent.
MORE USABLE CAPACITY	25-50% more capacity than lead-acid equivalent.
CONSTANT POWER	Full power available throughout discharge. Voltage does not drop like lead-acid.
TEMPERATURE TOLERANT	2.5X more efficient operation at low temperatures. Safely operational up to 149°F (65°C).
CHARGING – FAST & SAFE	Highly efficient charging. Can fully charge in 1-3 hours. Built-in overcharge protection.
PSOC TOLERANT	No damage from partial state of charge operation or storage.
LONG SHELF LIFE	Low self-discharge so battery maintains state of charge.
MAINTENANCE-FREE	Plug, play and charge. No watering.
NON-HAZARDOUS	No gasses emitted.
INSTALLATION FLEXIBILITY	Can be installed upright or on its side.
CUSTOMIZABLE	Easy to customize for your size and power needs.

LITHIUM PRODUCT SPECIFICATIONS

Part Number	BCI Group Size	Capacity @ 25°C (77°F)		Energy (Wh)	Dimensions inches (mm)			Weight lbs (kg)	Terminal Type
		AH	Min @ 25A		Length	Width	Height		

12V

RB50	N/A	50	120	640	7.8 (197)	6.5 (166)	6.8 (166)	15 (6.7)	M8
RB60	24	60	144	768	10.2 (260)	6.7 (170)	8.6 (219)	20 (8.9)	M8
RB75	24	75	180	960	10.2 (260)	6.7 (170)	8.6 (219)	26 (11.8)	M8
RB80	27	80	192	1024	12.1 (308)	6.8 (172)	8.7 (221)	28 (12.7)	M8
RB100	31	100	240	1280	13.0 (329)	6.8 (172)	8.9 (226)	32 (14.5)	M8
RB200	8D	200	480	2560	19.3 (490)	10.5 (267)	9.0 (229)	72 (32.6)	M8
RB300	8D	300	720	3840	20.5 (520)	10.6 (269)	8.7 (221)	84 (38.1)	M8

12V DIN

RB80-DIN	DIN	80	192	1024	13.2 (335)	6.9 (175)	7.5 (191)	26 (11.6)	M8
RB100-DIN	DIN	100	240	1280	13.2 (335)	6.9 (175)	7.5 (191)	26 (11.6)	M8



With RELi³ON[®]

You'll *Run Out of Adventures* Before You *Run Out of Power.*

Whether you're living on the road or an enthusiastic weekend warrior, you want reliable power both on and off the grid. RELiON Lithium Iron Phosphate (LiFePO₄) batteries offer lightweight, safe and high power energy solutions for all types of recreational vehicles.

MORE HOURS; MORE FUN: RELiON lithium batteries allow you to use 100% of their capacity, regardless of the rate of discharge. So, run all your electronics and know that you have ample reserves, even when you're boondocking.

LONG LIFE: RELiON lithium batteries provide up to 10 times longer life than lead-acid batteries, and they still provide 80% of rated capacity after 2,000 cycles.

CHARGE AHEAD: Partial charging does not affect performance quality or battery life. A low self-discharge rate means worry-free storage so even occasional users can be assured of reliable performance.

THE RIGHT FIT: RELiON lithium batteries are available in a variety of BCI standard sizes for easy drop-in replacement. Looking for a custom solution? No problem! Our Certified PowerPros will work to design the best system for your needs.

SAFETY TESTED: Unlike other lithium chemistries, RELiON LiFePO₄ batteries are inherently safe due to their stable chemical composition, and we have the UN38.3, UL1642 and IEC62133 test results to prove it.



RELi³ON[®]

WE'RE INVESTED

OUR CUSTOMERS. OUR PARTNERS. OUR EMPLOYEES. OUR FUTURE.

IT'S A PROMISE WE MAKE AND KEEP EVERY DAY

“ At SES, we service RVs from all over the country. The top three battery issues that concern RV owners are corrosion, maintenance and weight. We had a coach come through that had a bank of lead-acid batteries that were so corroded, we had to cut out the whole tray and replace it. We do not see that happen with RELiON lithium batteries. Since they're maintenance-free, our customers don't have to think about watering their batteries on the road. As for weight, we can easily save 500-800 pounds by replacing lead-acid batteries with lithium. This not only increases fuel economy, it allows travelers to take along all their favorite gear without having to worry about weight restrictions. ”

BRIAN BURKHOLDER
Manager, Solar Energy Systems
in Nappanee, IN



UN38.3

ISO 9001:2008
ISO/TS 16949:2009
ISO 14001:2004
OHSAS 18001:2007

Certifications Applicable to the Design and Manufacture of Lithium Iron Phosphate Batteries

Quality Management System
Quality Management System
Environmental Management System
Occupational Health and Safety Management System

reliombattery.com

Call Toll-Free (US Only): 1 (844) 385-9840
All International Calls: 1 (803) 547-7288

RELiON Battery provides our customers with the highest quality and safest lithium products, in compliance with all regulatory standards.

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