



Li³ LIGHT ON WEIGHT
HEAVY ON POWER.



RE**Li³**ON[®]

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)	Current Capability		Dimensions inches (mm)			Weight lbs (kg)	Terminal Type	Case Material
		AH	Min @ 25A		Continuous (A)	Peak (A)	Length	Width	Height			
12V - STANDARD												
RB50	NA	50	120	640	50	100	7.8 (197)	6.5 (166)	6.8 (173)	15 (6.7)	M8	ABS
RB75	24	75	180	960	75	150	10.2 (260)	6.6 (168)	8.6 (218)	24 (10.7)	M8	ABS
RB80	27	80	192	1024	80	160	12.0 (305)	6.6 (168)	8.6 (219)	25 (11.3)	M8	ABS
RB80-D	DIN	80	192	1024	80	160	13.2 (335)	6.9 (174)	7.5 (191)	25 (11.3)	M8	ABS
RB100	31	100	240	1280	100	200	13.0 (329)	6.8 (172)	8.8 (223)	30 (13.5)	M8	ABS
RB100-D	DIN	100	240	1280	100	200	13.2 (335)	6.9 (174)	7.5 (191)	30 (13.7)	M8	ABS
RB200	8D	200	480	2560	100	200	20.5 (520)	10.5 (267)	9.0 (228)	61 (27.7)	M8	ABS
RB300	8D	300	720	3840	100	200	20.5 (520)	10.5 (267)	9.0 (228)	83 (37.5)	M8	ABS
12V - X-SERIES (HIGH CONTINUOUS AND PEAK PERFORMANCE)												
RB60-X	24	60	144	768	100	200	10.2 (260)	6.6 (168)	8.6 (218)	20 (8.9)	M8	ABS
12V - HP-SERIES (HIGH PEAK PERFORMANCE)												
RB100-HP	31	100	240	1280	100	800	13.0 (329)	6.8 (172)	8.8 (223)	30 (13.5)	M8	ABS
RB100-DHP	DIN	100	240	1280	100	800	13.2 (335)	6.9 (174)	7.5 (191)	30 (13.7)	M8	ABS
RB300-HP	8D	300	720	3840	100	800	20.5 (520)	10.5 (267)	9.0 (228)	83 (37.5)	M8	ABS
24V - STANDARD												
RB24V50	31	50	120	1280	50	100	13.0 (329)	6.8 (172)	8.8 (223)	29 (13.2)	M8	ABS
RB24V100	NA	100	240	2560	100	200	20.5 (520)	10.5 (267)	9.0 (228)	61 (27.7)	M8	ABS
48V - STANDARD												
RB48V100	NA	100	240	5120	100	200	22.8 (578)	16.1 (410)	8.3 (210)	187 (72)	M10	STEEL
RB48V150	NA	150	360	7680	100	350	23.6 (600)	12.1 (308)	12.6 (320)	179 (81)	M10	STEEL
RB48V200	NA	200	480	10240	200	250	34.1 (867)	14.1 (358)	15.5 (393)	302 (137)	M10	STEEL
RB48V300	NA	300	720	15360	100	200	29.1 (740)	19.9 (506)	16.1 (408)	388 (176)	M10	STEEL

RELi³ON[®]

Power Your Aquatic Adventures

Cruisers, racers and anglers want to spend as much time on the water as possible. Long-lasting RELiON lithium iron phosphate (LiFePO₄) batteries fit all types of watercraft and deliver the dependable power for everything you need, from punching your holeshoot in competition to running your A/C at the dock.

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 can design the best system for your needs.

LIGHT ON WEIGHT; HEAVY ON POWER: RELiON lithium batteries provide more power than traditional lead-acid batteries and are typically half the weight. This makes for better acceleration and more agility on the water.

MORE HOURS; MORE FUN: RELiON lithium batteries provide long-lasting energy for all your marine needs, so run the A/C, the fish finder or the trolling motor and know that you have ample reserves.

WORRY-FREE: RELiON lithium batteries are maintenance free – no watering; no corrosion. In addition, they can be charged more quickly using standard plug-in, alternator, generator, or solar systems. Partial charging does not affect performance, and a low self-discharge rate means worry-free storage.

EXTREME PERFORMANCE: RELiON lithium batteries are designed to perform in harsh conditions—freezing cold, scorching heat or rough waters.

ECO-FRIENDLY: RELiON lithium batteries are the ultimate clean energy. No gassing, no fumes and no pollution. Enjoy reliable power, while protecting the environment, using these non-hazardous batteries.

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

BACKED BY THE BEST: Built to last, designed to perform, premium RELiON lithium batteries deliver unsurpassed performance on the water. We back this claim with a comprehensive, 5-year warranty.



RELi³ON[®]

WE'RE INVESTED

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

IT'S A PROMISE WE MAKE AND KEEP EVERY DAY

“RELiON lithium batteries offer the best value on the market. Simply put, these batteries are lightweight, fast charging and long-lasting, and they're available in standard and custom sizes to fit just about any system. In addition, RELiON's attention to safety and customer service is excellent. Racers and cruisers, alike, will love the power and performance of RELiON's marine batteries.”

RAFAEL ESCOBAR

Technical Manager at Just Catamarans



“RELiON lithium batteries have been a complete game-changer! These batteries charge quickly and last longer than any other batteries I have used; I've actually gone three 12-hour practice days on the tournament trail without having to re-charge them, and they're maintenance-free! And talk about a competitive advantage! These lightweight lithium batteries allow me to get the bass boat 'on plane' easily in shallow waters and when I'm on the reservoirs, I can cover 10 times the amount of water. Add to that the convenience of drop-in sizes and top notch customer support, and you have a winning combination!”

AL FARACE, JR.

Bassmaster Opens Professional Angler at Farace Fishing



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

reliionbattery.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.

©2018 RELiON Battery, LLC. All rights reserved. RELiON is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. RELiON reserves the right to make adjustments to this publication at any time, without notice or obligation.



MARINE SHEET
3.5.2018