



RE **Li³** ABLE POWER
THAT'S READY TO GO



RE **Li³** ON[®]

FEATURES AND BENEFITS – LITHIUM

BENEFIT	FEATURE
SAFETY	Inherently safe chemistry. 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

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 - LT-SERIES (LOW TEMPERATURE OPERATION)

RB100-LT	31	100	240	1280	100	200	13.0 (329)	6.8 (172)	8.8 (223)	30 (13.5)	M8	ABS
----------	----	-----	-----	------	-----	-----	------------	-----------	-----------	-----------	----	-----

12V - GOLF TROLLEY

RBGT-16	NA	16	NA	204.8	16	25	6.6 (168)	5.0 (127)	2.9 (74)	5 (2.1)	T-BAR	ABS
RBGT-19	NA	19	NA	243.2	16	25	7.1 (180)	3.0 (76)	6.5 (165)	6 (2.7)	ANDERSON	ABS
RBGT-22	NA	22	NA	281.6	16	25	6.6 (168)	5.0 (127)	4.0 (102)	6 (2.9)	T-BAR	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 that is *Driven to Perform*

Nothing says you're dedicated to green energy like owning an electric vehicle for work or play. With an eco-friendly RELiON lithium iron phosphate (LiFePO₄) battery, you can enjoy the ultimate clean energy that emits no gasses, fumes or pollution. Enjoy reliable, long-lasting power, while protecting the environment.

MORE HOURS OF POWER: At half the weight and 2-3 times the energy of traditional lead-acid batteries, RELiON lithium batteries provide more hours of driving for your EV application. Your EV will maintain a constant level of power, morning, noon and night (and the next day, as well). Explore further afield, play another round, or power through yet another shift with no worries.

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

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 engineers can design the best system for your needs.

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

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



“ I used to have six 8-volt batteries that weighed 80 pounds each. About a year ago, I replaced them with one 80-pound RELiON lithium battery. The results have been excellent! My golf car is lighter weight, has noticeably more power, and I don't have to worry about corrosion. My old batteries corroded within a year or two because I live near the ocean. I don't have that problem with my lithium battery, and it works well with my solar panel. I have all the power I need, without having to worry about maintenance. It's a great product! ”

DR. FRANKIE RODRIGUEZ
Cardiologist in Puerto Rico



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.



EV SHEET 5.4.2018