

RELi³ON[®]

NAVICO
GROUP

Well-Equipped *POWER* to Li³ghten the Load



INCREASE PRODUCTIVITY WITHOUT INCREASING COSTS

Lithium batteries are able to provide operational efficiency leading to no maintenance and a longer life. By upgrading your equipment to reliable, high performing RELiON lithium batteries, you can expect durable batteries that you can count on.



Lower total cost of ownership of equipment in most operations



Safe and clean technology that satisfies the top hygiene standards



Longer run time and greater power with durability you can trust.



Versatile drop-in solutions for the vast variety of equipment and applications



Increased uptime with opportunity charging



Cutting-edge data capabilities

PRODUCTS FOR ANY APPLICATION

From drop-in-ready products to custom solutions, RELiON lithium iron phosphate batteries are one of the most robust and reliable energy sources on the market. And, they're perfect for powering a wide variety of applications such as scissor lifts, bucket trucks, commercial equipment, and more.



LAWN MOWER



BUCKET TRUCK



UTV



AWP



ATV



EV



PTV



ELECTRIC
LAWN MOWER



EQUIPMENT
RENTAL

Li³ THIUM ADVANTAGES OUTDOOR EQUIPMENT

Compared to lead-acid and other lithium batteries, lithium iron phosphate batteries offer significant advantages, making them a worthwhile investment and a smart long-term solution.

FEATURES AND BENEFITS



ROBUST

If they are under-charged or left in a partial state of charge, they will not be damaged. This is a leading cause of early failure in lead-acid batteries.



HIGHLY EFFICIENT

Fast recharge time and a 99.9% efficient recharge process, which means less wasted electricity and less downtime.



MORE USEABLE CAPACITY

A 25-50% higher capacity than lead-acid batteries with full power available throughout discharge.



ECO-FRIENDLY

No gassing, no fumes and no pollution. Protect the environment, using these non-hazardous batteries.



MAINTENANCE-FREE

RELiON lithium batteries are maintenance free - no watering; no corrosion.



TEMPERATURE TOLERANT

2.5X more efficient operation at low temperatures. Safely operational up to 149°F (65°C).



SAFETY

Lithium Iron Phosphate chemistry is inherently safe compared to other chemistries.



LONGER LIFE

Up to 10X longer life span compared to lead-acid batteries.

LEAD IS DEAD

Check out the chart below to compare the performance advantages of advanced lithium technology versus traditional lead-acid batteries.

	FLOODED LEAD-ACID	AGM	RELiON LiFePO4
FEATURE			
Cycle Life	300 - 400 cycles	300 - 400 cycles	3,500
Max Usable Capacity	50%	50%	85%
Discharge Efficiency	50-90%	50-90%	99%
Maintenance	High	Medium	None
Charge Time	6 - 12 Hours	6 - 12 Hours	1 - 5 Hours
Partial Charging Capable	No	No	Yes
Weight Comparison	100%	100%	50%
Charge Efficiency	80%	85%	99%
Cost	\$	\$\$	\$\$\$














































WHY PAY MORE FOR LiFePO4?

RELiON's long-lived LiFePO4 batteries reduce the inconvenience and expense of replacement and service calls, and they lend peace of mind to many users when it comes to demanding applications.

The table below shows each factor in the overall total cost of ownership of different battery types. Based on a specified lifetime of each battery and their retail prices, it's clear the total cost of a RELiON RB100 battery is far less in terms of each cycle and in terms of the overall cost of ownership.

TOTAL COST OVER LIFE COMPARISON

				
COST FACTOR				
 PURCHASE COST	\$	\$ \$	\$ \$ +	\$ \$ \$ \$ \$
 INSTALLATION COST	\$	\$	\$	\$
 MAINTENANCE COST	\$ \$ \$	\$	\$...
 CHARGING COST	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$
 REPLACEMENT COST	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ +	\$ \$ \$ \$ \$ \$...
 REPLACEMENT LABOR	\$ \$ \$	\$ \$ \$ \$	\$ \$ \$...
 # OF REPLACEMENTS	    	     	    	...
 CYCLE LIFE	  	 	  	      +
 TOTAL COST OVER LIFE	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ +	\$ \$ \$ \$ \$ \$	\$ \$



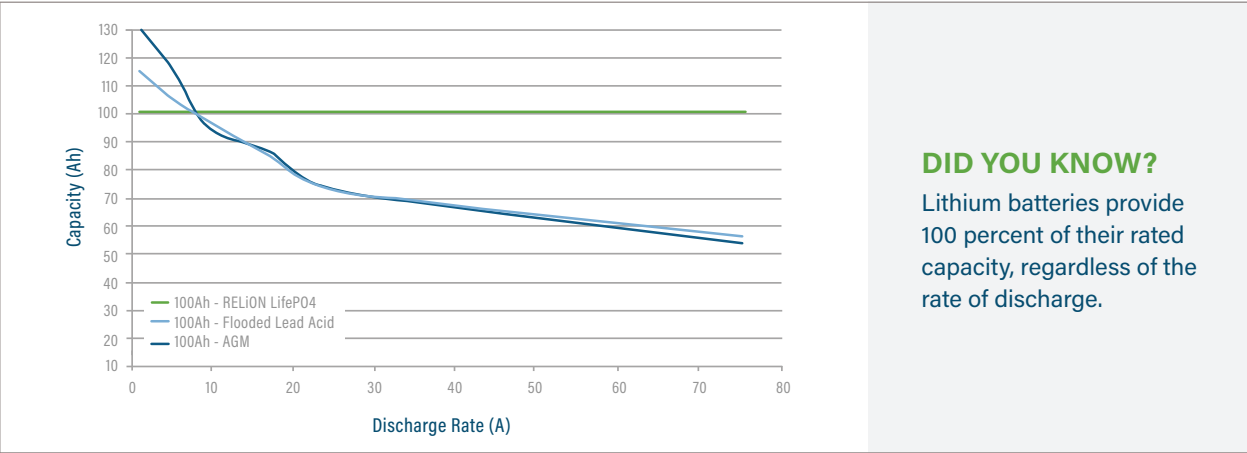
WE STAND BEHIND OUR PRODUCT!
10 YEAR WARRANTY

OUR PRODUCTS

It's time to **reduce labor costs** and **increase operational efficiency!** RELiON's UN and UL-certified batteries were built specifically to meet the power requirements in commercial or outdoor equipment with both 12V, 24V and 48V batteries in a variety of BCI standard sizes for easy drop-in replacement. While the batteries in the chart below are the most popular among outdoor equipment applications, RELiON has other lithium batteries that can also suit your needs.

LITHIUM BATTERIES FOR OUTDOOR EQUIPMENT

BATTERY	BCI SIZE	VOLTAGE (V)	CAPACITY (AH)	ENERGY (W)	CONTINUOUS CURRENT (A)	WEIGHT (LBS (KG))	DIMENSIONS
INSIGHT SERIES							
INSIGHT 12V	GC2	12.8V	120	1536	160	34.4 (15.6)	10.2 X 7.1 X 10.9 IN (260 X 180 X 276 MM)
INSIGHT 12V-LT	GC2	12.8V	120	1536	160	34.4 (15.6)	10.2 X 7.1 X 10.9 IN (260 X 180 X 276 MM)
INSIGHT 24V	GC2/ GC8	25.6	60	1536	100	34.4 (15.6)	10.2 X 7.1 X 10.9 IN (260 X 180 X 276 MM)
INSIGHT 24V-LT	GC2/ GC8	25.6	60	1536	100	34.4 (15.6)	10.2 X 7.1 X 10.9 IN (260 X 180 X 276 MM)
INSIGHT 48V	GC2/ GC8	51.2	30	1536	100	34.4 (15.6)	10.2 X 7.1 X 10.9 IN (260 X 180 X 276 MM)
INSIGHT 48V-LT	GC2/ GC8	51.2	30	1536	100	34.4 (15.6)	10.2 X 7.1 X 10.9 IN (260 X 180 X 276 MM)
LEGACY SERIES							
RB80	27	12.8	80	1024	80	24.9 (11.3)	12.0 X 6.6 X 8.2 IN (305 X 168 X 210 MM)
RB100	31	12.8	100	1280	100	26.4 (11.9)	13.0 X 6.8 X 8.8 IN (329 X 172 X 223 MM)
RB24V52	31	25.6	52	1280	50	29.1 (13.2)	13.0 X 6.8 X 8.4 IN (329 X 172 X 214 MM)
RB48V200	NA	51.2	200	10240	200	302 (137)	34.3 X 14.2 X 15.6 IN (867 X 358 X 393 MM)



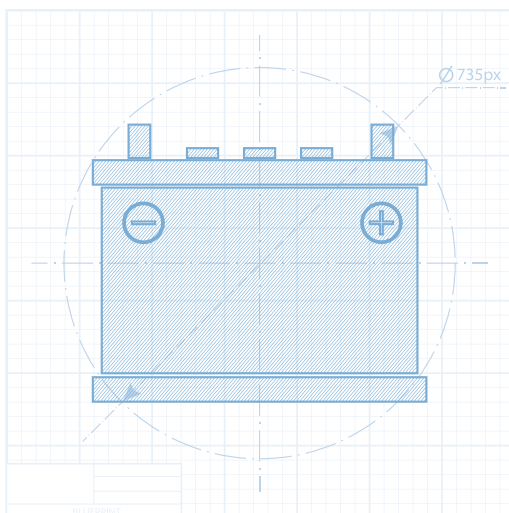


LEGACY SERIES

RELiON's Legacy Series is the perfect combination of size and capacity for a wide range of equipment. These batteries come in a variety of standard BCI sizes including Group 24, 27, 31 and 8D for easy drop-in replacement.

INSIGHT SERIES™

InSight Series batteries come in GC2/ GC8 size with 12, 24 and 48V options. The Low Temperature (LT) models are cold performance batteries that can safely charge in temperatures down to -4°F. InSight batteries feature all of the benefits of lithium batteries – longer life, no maintenance and faster charging, with even more intelligent built-in features like SuperSmart BMS, intelligent cooling and a scalable system design.



CUSTOM SOLUTIONS

Batteries are not one size fits all and at RELiON, we want to help you determine the right solution for your needs. Stock batteries may not fit, or more power is required to keep your equipment running at top capacity. Our team of experienced engineers are uniquely qualified to design the highest quality battery pack for your application - assuring you get the right solution that meets your specifications.

WHO IS RELiON?

OUR MISSION:

To power the world's transition to Lithium energy storage, ethically.

OUR VISION:

To be the most sought after & admired Lithium battery company in the world by helping our customers challenge and overcome their limits.

OUR PHILOSOPHY:

Our motto, Challenge Your Limits, reflects our philosophy to push yourself to greatness. We, along with our customers, live and breathe adventure and relish the opportunities that our planet provides. We feel it is our duty to do better as a business, making our batteries as sustainable as possible for our customers who enjoy being outdoors.





WHY WE'RE DIFFERENT

UNPARALLELED EXPERTISE

When you become a RELiON customer, know that you have a talented team of experts behind you. Our team has been in the industry for 20+ years with over 190 years of combined battery experience. We only invest in people with industry experience, which is why we can say our technical know-how is truly unmatched.

PRODUCT INNOVATION

Today, the industry demands innovation that delivers unmatched power, performance, and life. RELiON LiFePO₄ batteries accomplish this and surpass existing batteries in the market due to our focus on product development. We have one of the largest LiFePO₄ product offerings available with 12V, 24V and 48V batteries that power a range of applications.

WORLDWIDE PRESENCE

We are a global team of knowledgeable experts who work together day in and day out to create the best lithium battery for your adventures. With representatives on each continent, sharing information and expertise in real time, we are able to improve products, innovate together and create consistency among each of our product lines.

WE'RE INVESTED

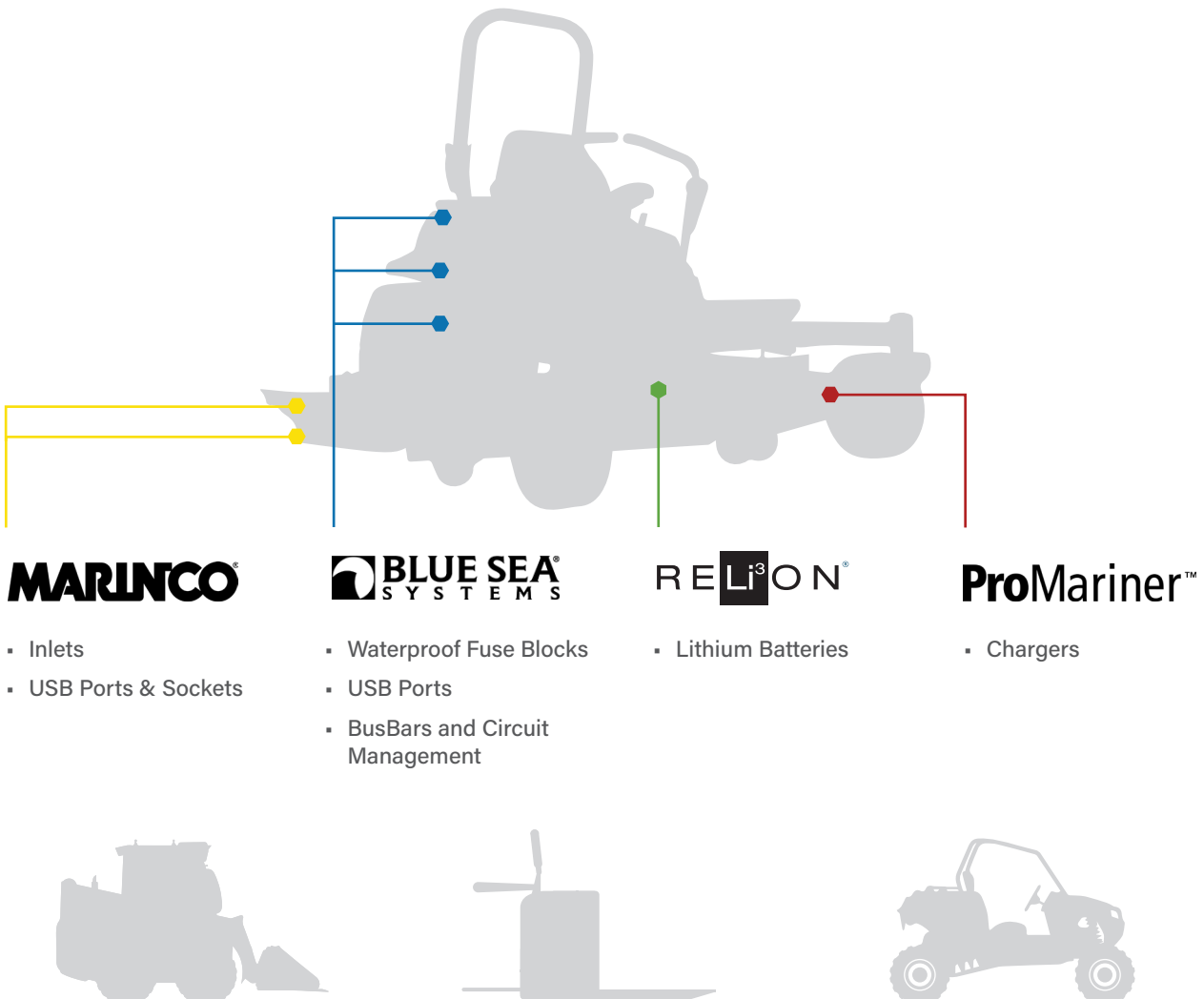
Our team has been in the battery industry for over 20 years and are committed to our customers success. Our knowledgeable customer service team is based in the United States and are available to assist when you need it the most.

NAVICO GROUP

WHAT WE OFFER

RELiON Battery is part of Navico Group, a division of Brunswick Corporation (NYSE: BC). Navico Group is the world's leading supplier of integrated systems and products for marine, RV, specialty vehicles and beyond. The Navico Group portfolio is comprised of industry leading brands in power management, digital control & monitoring, networked devices, and marine electronics.

We bring together our brands, products and people to create groundbreaking innovations that reinvent the consumer experience.



Challenge Your mits®

NAVICO
GROUP

YOUR MOST TRUSTED PARTNER

Navico Group is the world's leading supplier of integrated systems and products to industries ranging from marine to recreational vehicles. We bring together the best brands, products and people to create groundbreaking innovations that reinvent the consumer experience. Our broad portfolio of the industry's leading brands in power management, digital control & monitoring, networked devices, and marine electronics are distributed globally to a diverse aftermarket and OEM customer base. Navico Group is driven, every day, to be the world's most trusted partner to the marine and mobile industries, and beyond.

relionbattery.com

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UN38.3



ISO 9001:2015

ISO/TS 16949:2009

ISO 14001:2004

OHSAS 18001:2007

Quality Management System

Quality Management System

Environmental Management System

Occupational Health and Safety Management System

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

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

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EQUIPMENT
BROCHURE
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