

RELi³ON[®]

NAVICO
GROUP

Li³ght on Weight
Heavy on *POWER*



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 needed, from punching your holeshot in competition to running your A/C at the dock.

JT VANZANDT

COASTAL TEXAS FLY FISHING GUIDE

"I'm able to explore further and for more hours on end with my customers. I never worry about whether I'll be stranded or what type of water I can or can't traverse. The focus is entirely on the experience of fly fishing and appreciating nature. I now have the reliable power I need in an ultralight package to enable the best possible backcountry fly fishing experience for my customers five days a week."



Li³ THIUM ADVANTAGES FOR MARINE

It's hard to beat a RELiON lithium iron phosphate (LiFePO₄) battery when they deliver everything you need to support life on the water. They're built to last and designed to perform. Lightweight, durable and maintenance-free, our batteries charge quickly, store safely, and withstand the harshest temperatures and conditions.

FEATURES AND BENEFITS



MORE USABLE CAPACITY

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.



CONSTANT POWER

Full power available throughout discharge. Voltage does not drop like lead-acid.



LONGER LIFE

RELiON lithium batteries provide up to 10 times longer life than lead-acid batteries, and they still provide 80% of rated capacity after 3,500 cycles.



LIGHTER WEIGHT

50-60% less weight than lead-acid equivalent.



MAINTENANCE-FREE

Plug, play and charge. No watering.



PARTIAL STATE OF CHARGE TOLERANCE

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.



TEMPERATURE TOLERANCE

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



INSTALLATION FLEXIBILITY

Can be installed upright or on its side.

LEAD IS DEAD

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

LITHIUM VS. LEAD-ACID COMPARISON

	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.

RELiON's lithium iron phosphate batteries offer multiple advantages such as being lighter weight, having longer lifetimes and being more cost efficient in the long run. Although lead-acid batteries are more affordable up front, they will require multiple replacements making the total cost of ownership more expensive than with lithium. In the end, lithium batteries are more beneficial to your bottom line and are more reliable than the alternative of lead-acid.

TOTAL COST OVER LIFE COMPARISON

COST FACTOR	FLA	AGM	GEL	RELiON
PURCHASE COST	\$	\$ \$	\$ \$ \$ +	\$ \$ \$ \$ \$ \$
INSTALLATION COST	\$	\$	\$	\$
MAINTENANCE COST	\$ \$ \$	\$	\$...
CHARGING COST	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$
REPLACEMENT COST	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ +	\$ \$ \$ \$ \$ \$ \$...
REPLACEMENT LABOR	\$ \$ \$	\$ \$ \$ \$ \$	\$ \$ \$ \$...
# OF REPLACEMENTS	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	...
CYCLE LIFE	○ ○ ○	○ ○	○ ○ ○	○ ○ ○ ○ ○ ○ ○ +
TOTAL COST OVER LIFE	\$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ +	\$ \$ \$ \$ \$ \$ \$	\$ \$



OUR PRODUCTS

We have one of the largest LiFePO4 product offerings available with 12V, 24V and 48V batteries available in a variety of BCI standard sizes for easy drop-in replacement.

OUR MOST POPULAR LITHIUM MARINE BATTERIES

BATTERY	BCI SIZE	VOLTAGE	CAPACITY (AH)	ENERGY	CURRENT CAPABILITY	WEIGHT
RB12	NA	12.8V	12	128	10	3.6 (1.65)
RB52	NA	12.8V	52	640	50	13.7 (6.2)
RB60	24	12.8V	60	768	60	15.9 (7.20)
RB75	24	12.8V	75	960	75	23.6 (10.7)
RB80	27	12.8V	80	1024	80	24.9 (11.3)
RB100	31	12.8V	100	1280	100	26.4 (11.98)
RB100-HP*	31	12.8V	100	1280	100	29.8 (13.5)
RB200	8D	12.8V	200	2560	100	61.1 (27.7)
RB300	8D	12.8V	300	3840	100	75.8 (34.36)
RB300-HP*	8D	12.8V	300	3840	100	82.7 (37.5)
RB24V100	8D	25.6V	100	2560	100	61.1 (27.7)
INSIGHT 12V-LT	GC2	12.8V	120	1536	160	34.4 (15.6)

*High Performance Series battery for starting and cycling with Peak Discharge Current 800 A (2 sec).





HIGH PERFORMANCE SERIES

RELiON's High Performance Series delivers a burst of high current for a short period of time making it the perfect battery for starting up a boat, generator motor or an air conditioning compressor. With the dynamic capabilities, a single HP battery can be used for starting then double as a house needs power source if necessary. Our High Performance Series batteries are the perfect compromise between the unique demands of starting service and deep cycling, low amp draw service.

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 applications 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.



WE STAND BEHIND OUR PRODUCT! 10 YEAR WARRANTY

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 our customers. 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.

INVESTED IN OUR FUTURE, AND YOURS

We're dedicated to providing clean, green reliable power for a variety of applications. When you're looking for a trustworthy partner to build your custom product, let our experts reduce development risk and bring a high-quality product to market faster for you. Whatever your energy needs, we're ready to meet the demand.



A proud brand within Brunswick's Navico Group

WHAT OUR CUSTOMERS ARE SAYING



"I switched to lithium due to the significant weight savings and much greater power output. Every other boat on the water starts to slip, and its batteries start to die, very early on in the day. Most boats just can't hang with mine. My customers and I usually end up having the water to ourselves the whole second half of the day. Even as I spend the whole charter running my trolling motor at 75-85%, most everyone else I see has to turn around and head back two to three hours before me. The power output from these lithium batteries is absolutely amazing."

- CAPT. LEON DANA, OWNER PALM VALLEY CHARTERS

"For those times on the road and out on the water when everything is changing and money is on the line, there is no question in my RELiON batteries! They are going to perform and push that extra mile to help me succeed on and off the water. As I fish over 200 days a year and depending on if I make it back to the dock or not is how I make my money, Reliability and Performance is everything and that's why I run RELiON Lithium batteries and leave the questioning for everyone else!"



- PATRICK WALTERS, ELITE SERIES PRO ANGLER



"West Marine has seen increased consumer demand for lithium phosphate batteries over the past several years, making our partnership with RELiON Battery the perfect addition for our consumers. Lithium phosphate batteries are among the most popular forms of energy storage in the world, and an excellent choice for boating applications."

**- RON BAIME, WEST MARINE CHIEF
MERCHANDISING OFFICER**



MORE THAN JUST A BATTERY COMPANY.

We Use Our Business for Good

RELiON is more than a manufacturer of lithium batteries. We are stewards of our environment and use our business as a force for good in everything we do. We call this Limitless Blue. We challenge ourselves to improve our planet and, hopefully, inspire others to do the same.

As 1% for the Planet members, we donate 1% of our revenue each year to non-profits solving the most pressing environmental challenges of our time.

Challenge Your **Li³**imits[®]

relionbattery.com

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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.

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| ISO 9001:2015 | Quality Management System |
| ISO/TS 16949:2009 | Quality Management System |
| ISO 14001:2004 | Environmental Management System |
| OHSAS 18001:2007 | 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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MARINE BROCHURE
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