

RELi³ON[®]

A BRAND WITHIN
ASG
ADVANCED SYSTEMS GROUP

Li³

Limitless Journeys Ahead



HIGH POWER ENERGY TO EXPLORE

When your journey involves countless miles or remote campsites, you need a trustworthy battery that won't hold you back. Lightweight RELiON lithium iron phosphate (LiFePO4) batteries are maintenance-free, fast-charging and environmentally friendly to provide reliable power and peace of mind while you enjoy some well-earned peace and quiet.

LEIGH & BRIAN

WHY THEY MADE THE SWITCH TO LITHIUM

"We were draining our 6V lead-acid wet cell batteries down too quickly. Lead acid batteries are only supposed to be drained down to 50%, but we were finding that, especially in the winter time, we were draining our old batteries far past that, which damaged the batteries. We just didn't have enough power or storage capacity. After ten years of living in our trailer, we wanted to live a more comfortable, normal life and use some real appliances, like a toaster, a blender and an espresso machine."



7 Tortoise and the Hare Blog - www.tortoiseandthehare.com



Li³ THIUM ADVANTAGES FOR RECREATIONAL VEHICLES

It's hard to beat a RELiON lithium iron phosphate (LiFePO₄) battery when they deliver everything you need to support life on the road and off-the-grid. Inherently safe and lightweight, you'll not only travel further more efficiently, you'll do it with less of a footprint without sacrificing power, performance and reliability.

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, even when you're boondocking.



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 2,000 cycles.



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.



INSTALLATION FLEXIBILITY

Can be installed upright or on its side.



CONSTANT POWER

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



ECO-FRIENDLY & SAFE

RELiON lithium batteries create no exhaust fumes so you can use them in a confined space with no ill effects. No gassing, no fumes, and no pollution.



LIGHTER WEIGHT

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



MAINTENANCE-FREE

Plug, play and charge. No watering.



TEMPERATURE TOLERANCE

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

OUR PRODUCTS

Whether you're living on the road or an enthusiastic weekend warrior, you want reliable power both on and off the grid. We have one of the largest LiFePO4 product offerings available with 12V and 24V batteries available in a variety of BCI standard sizes for easy drop-in replacement.

OUR MOST POPULAR LITHIUM RV BATTERIES

BATTERY	BCI SIZE	VOLTAGE	CAPACITY (AH)	ENERGY	CURRENT CAPABILITY	WEIGHT (LBS)
LEGACY SERIES						
RB100	31	12.8V	100	1280	100	26.4 (11.98kg)
RB200	8D	12.8V	200	2560	100	61.1 (27.7kg)
RB300	8D	12.8V	300	3840	100	75.8 (34.36kg)
RB24V50	31	25.6V	50	1280	50	29.1 (13.2kg)
RB24V100	8D	25.6V	100	2560	100	61.1 (27.7kg)
LT SERIES						
RB100-LT	31	12.8V	100	1280	100	27.9 (12.64kg)
RB300-LT	8D	12.8V	300	3840	100	76.1 (34.54kg)
INSIGHT SERIES						
12V120-GC2-LT	GC2	12.8V	120	1536	160	34.4 (15.6kg)

WHICH RELION BATTERY IS RIGHT FOR YOUR RV?

With so many different configurations, applications and needs, finding a battery that checks all the boxes can be a challenge. Below find common batteries for use in different classes of RVs.

	CLASS	TYPICAL POWER SYSTEM	SHORE POWER SERVICE (Maximum Current)	RELION BATTERY REPLACEMENT MODEL (Single or multiples in series or parallel to meet voltage/capacity needs)
	Class A	12-48 volt system powered by banks of 6V AGM batteries.	50 Amp	RB200, RB300, InSight 12V
	Class B	12-24 volt systems powered by banks of 12V AGM batteries.	30-50 Amp	RB75, RB80, RB100, RB100-LT, InSight 12V
	Class C	12-24 volt systems powered by banks of 12V AGM batteries.	30-50 Amp	RB100, RB100-LT, InSight 12V
	5th Wheel	12-24 volt systems powered by banks of 12V AGM batteries.	30-50 Amp	RB100, RB100-LT, InSight 12V
	Toy Hauler	12-24 volt systems powered by banks of 12V AGM batteries.	30-50 Amp	RB80, RB100, RB100-LT, InSight 12V
	Travel Trailer	12-24 volt systems powered by banks of 12V AGM batteries.	15-30 Amp	RB60, RB75, RB80, RB100, RB100-LT, InSight 12V
	Pop-Up	12 volt systems powered by U1 or Group 24 batteries	15 Amp	RB35, RB52, RB60, RB75

POWER IN A CLASS OF ITS OWN

From powering the essentials to the non-essentials, RELiON lithium batteries allow you to disconnect further from the grid, powering electronics longer and connecting to shore power less.



INSIGHT 12V

The InSight Series™ 12V battery, designed specifically for RV deep cycle applications, is capable of 2,048 watts continuous from a single battery. This 120Ah powerhouse lithium battery can output 160A continuous and offers higher peak discharge, allowing you to run multiple appliances at the same time!

WEATHER ANY SEASON WITH THE LT SERIES

Our Low Temperature (LT) Series lithium batteries are cold-weather performance batteries that can charge at temperatures down to -20°C (-4°F).

How? The system features proprietary technology that draws power from the charger itself, requiring no additional components. The entire process of heating and charging is completely seamless. Simply plug the battery into the regular lithium charger and the internal heating and monitoring system takes care of the rest.



**WE STAND BEHIND OUR PRODUCT!
10 YEAR WARRANTY**

WHY CHOOSE RELiON?



PRODUCTS ENGINEERED IN THE USA

Our Seattle-based engineering team works hand-in-hand with our manufacturing facilities to ensure quality products that perform. Not only are we committed and able to deliver the best products, but we are proud to say our factory is ISO 9001:20015 certified.

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.

PEACE OF MIND

Not only do RELiON lithium batteries work hard so you can play hard, they're an inherently safe chemistry and engineered with exclusive safety measures, including state-of-the-art battery management system (BMS) that protects against over-charge, over-discharge, over-temperature and short circuit conditions.

A BRAND WITHIN ASG BY BRUNSWICK

We are proud to be a part of Brunswick's Advanced Systems Group (ASG) which consists of leading P&A brands in advanced batteries, electrical power management, digital control & monitoring, and networked systems & devices for the marine, RV, specialty vehicle, and other industries.



WHAT OUR CUSTOMERS ARE SAYING



"The RELiON batteries have a solid warranty and a stellar Battery Management System (BMS). Especially compared to lead acid batteries, which I've used in the past, the RELiON batteries are much lighter, which is crucial given van weight limitations. In addition to being very lightweight, they also come in a range of different, highly compact, sizes. They also use the safest battery chemistry: lithium iron phosphate, which is key if you're sleeping next to them."

- JARROD TOCCI

"We love to boondock and enjoy nature and our RELiON LiFePO4 lithium battery upgrade has been a game-changer. RELiON's lithium technology provides us complete freedom to live off-grid in our RV. No more battery anxiety and, without a doubt, the best money we've ever spent on RV upgrades. I can honestly say we will never own an RV without RELiON lithium batteries. Thanks, RELiON for changing our RVing lives."

- AARON JONES, JONESN2TRAVEL



 **Limitless**
Blue

Blue Battery. Blue Sky. Blue Ocean.

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.





YOUR MOST TRUSTED PARTNER

Whether on water or on the road, delivering an optimal user experience is at the heart of ASG's business. It's why we are proud to be the world's leading supplier of products and integrated systems to the marine, RV, and Specialty Vehicle industries. Our broad portfolio of market leading brands in power management, digital control & monitoring, and networked devices are distributed globally to a diverse aftermarket and OEM customer base. ASG is driven, every day, to be the world's most trusted partner to the marine and mobile industries.

Challenge Your **Li³**imits[®]

relionbattery.com

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UN38.3



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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RV BROCHURE
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