

# RE **Li<sup>3</sup>** ABLE POWER *THAT'S READY TO GO*

EV

RE **Li<sup>3</sup>** ON<sup>®</sup>



# FEATURES AND BENEFITS - LITHIUM

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## **NON-HAZARDOUS**

No gasses emitted.



## **CHARGING - FAST & SAFE**

Highly efficient charging. Can fully charge in 1-3 hours. Built-in overcharge protection.



## **LIGHTWEIGHT**

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



## **MAINTENANCE-FREE**

Plug, play and charge. No watering.



## **LONGEST LIFE**


Up to 10X longer cycle life than lead-acid equivalent.



## **CONSTANT POWER**

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





**ENJOY RELIABLE, LONG-LASTING POWER,**  
while protecting the environment. RELiON's  
non-hazardous LiFePO4 batteries are a clean energy  
storage solution, made of an inherently safe chemistry.

# *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 LiFePO<sub>4</sub> 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. We back this claim with a comprehensive, 5-year warranty.



RELiON's new **InSight Series** is a  
**GAME CHANGER**  
when it comes to delivering  
reliable power.

## What makes **InSight Series Unique?**



### **SUPERSMART BMS**

The SuperSmart BMS maximizes performance, even when connected in parallel, eliminating the need for any additional hardware.



### **BULLSEYE BALANCING**

The innovative algorithms in the SuperSmart BMS ensures precise balancing. This provides maximum capacity and life in each battery when they are connected in parallel.



### **INTELLIGENT COOLING**

The InSight Series uses a carefully engineered passive heat management system to quickly remove heat from inside the battery during conditions of high discharge and recharge currents, preventing over-heating of critical components.



# Product Specifications

InSight Series batteries come in 12-Volt, 24-Volt, 36-Volt, and 48-Volt configurations. These modules are an ideal building block for a wide variety of applications.

Part Number	12V120-GC2-001	24V060-GC2-001	36V030-GC2-001	48V030-GC2-001
Voltage	12.8V	25.6V	38.4V	51.2V
Capacity	120Ah	60Ah	30Ah	30Ah
Charge Current	120A	50A	50A	50A
Continuous Discharge Current	200A	150A	100A	100A
Discharge Current (30s)	300A	275A	125A	125A
Maximum Discharge Current (10s)	350A	300A	150A	150A
Dimensions (LxWXH)	10.2x7x10.9" (260x180x276 mm)	10.2x7x10.9" (260x180x276 mm)	10.2x7x10.9" (260x180x276 mm)	10.2x7x10.9" (260x180x276 mm)
Weight	27.8 lbs (12.6 kg)	27.8 lbs (12.6 kg)	22 lbs (10 kg)	27.8 lbs (12.6 kg)



# Challenge Your **Li<sup>3</sup>**imits™

[relionbattery.com](http://relionbattery.com)

Call Toll-Free (US Only): **1 (844) 385-9840**

All International Calls: **+1 (803) 547-7288**

## 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

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

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EV BROCHURE  
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