

## InSight GC2 30Ahr, 48V Lithium Battery by RELiON



Price: CAD \$1,899.00

**SKU:** RBINSIGHT-48V030-GC2

**Product Categories:** [Batteries](#), [Multi-Use : 48V](#), [Shop](#)

**Product Tags:** [30ahr](#), [48v](#), [canada](#), [drop-in](#), [gc2](#), [insight](#), [iron phosphate](#), [lfp](#), [lifepo4](#), [lithium](#), [reliion](#), [reliion 48v battery canada](#), [reliion insight](#), [reliion insight canada](#), [replacement](#)

**Product Page:**

<https://www.modernoutpost.com/product/insight-gc2-30ahr-48v-lithium-battery-by-reliion/>

### Product Summary

The RELiON InSight Series™ GC2 30Ahr, 48V lithium iron phosphate battery is a GC2 sized drop-in replacement battery that delivers high-quality performance, power and precision. This 48V 30 Ah battery was designed specifically for golf cars, utility vehicles, LSVs and AGVs.

## Product Description

The RELiON InSight Series™ GC2 30Ahr, 48V lithium iron phosphate battery is a GC2 sized drop-in replacement battery that delivers high-quality performance, power and precision. This 48V 30 Ah battery was designed specifically for golf cars, utility vehicles, LSVs and AGVs.

InSight batteries are drop-in ready and easy to install, just connect them in parallel for the capacity you need. No need to modify trays, no complicated connections, and no heavy lifting. Use RELiON Battery Spacers to fill the empty battery spots so you can use the existing battery hold-downs that come in your vehicle. These can be purchased on our website. If you do not use RELiON Battery Spacers, please ensure your InSight batteries are securely held down.

They're also scalable, so you can provide increased power and energy (up to 300Ah) as needed. InSight batteries are connected in parallel (up to 10) which means you have the freedom and flexibility to use the right amount of batteries for your equipment, typically two to six batteries.

InSight batteries also feature an elegant BMS that provides precision balancing within a battery and between batteries in a parallel system without the need for charging batteries individually. In addition, our proprietary software determines and manages regenerative currents - unlike any other battery solution - avoiding unnecessary battery disconnects.

With InSight, you get unmatched quality and performance, from the inside out. It's the only lithium battery like it on the market today!

### InSight GC2 30Ahr, 48v Battery Specifications...

- Nominal Voltage : 51.2V (48V nominal systems compatible) - Cell Chemistry : LiFePO4 - Cell Type : Prismatic - Ampere-hour Capacity 30Ah - Watthour Capacity : 1.536kWh - Specific Energy : 128Wh/kg - Charge Efficiency : 99% - Impedance (50% SOC, 1kHz) : <150mΩ - Cycles @ 80% DOD : >6000

## Mechanical

BCI Size : GC2

Dimensions (LxWxH) : 10.2 x 7.1 x 10.9 in (260 x 180 x 276mm)

Weight 34.4 lbs (15.6 kg)

Case Material ABS

Stud Terminal M8 X 1.25 - 20

Insert Terminal M8 X 1.25 - 20

Torque 79.7-88.5 in-lbs9-10 N-m

Handles Molded

Ingress Protection Marking IP67

Case Flame Rating UL94 V-0

#### DISCHARGE SPECIFICATIONS

Continuous Discharge Current 100A

Peak Discharge Current 200A - 15 sec

Peak Discharge Current 400A - 30 msec

Short Circuit Protection 580A - 366 µsec

Protection Recover Automatic

Low Voltage Disconnect 40V - 5 sec

Low Voltage Reconnect Automatic

Self-Discharge perMonth @ 25°C 2.80%

#### CHARGE SPECIFICATIONS

Continuous Charge Current 50A - 65A max

Recommended Charge Voltage 57.6V - 58.4V max

Float Voltage 55.2V - 4 sec

High Voltage Reconnect Automatic

Temperature Compensation None

#### **ENVIRONMENTAL SPECIFICATIONS**

Charge Temperature 32°F to 155°F (0°C to 55°C)

Discharge Temperature -4°F to 149°F (-20°C to 65°C)

Operating Humidity <90% RH

Storage Temperature -4°F to 95°F (-20°C to 35°C)

Storage Humidity 25 to 85% RH

## **CERTIFICATIONS**

UL2580 (Cell) File Number: MH63797

UL2271 (Battery Pack) Pending

CE (Battery Pack)

IEC (Battery Pack) Pending

UN38.3 (Battery Pack)

## **SHIPPING CLASSIFICATION**

UN3480, Class 9

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: 30 kg