



**ESSENTIALi**  
POWERED BY U.S. BATTERY MFG. CO.

# DEEP CYCLE LITHIUM-ION BATTERIES



**FAST CHARGING**  
Reach Full Charge  
in as Little as  
3 Hours



**INTELLIGENT BMS**  
Monitors Pack State  
Of Charge (SOC) and  
Status



**ENGINEERED TO  
LAST LONGER**  
Delivers 3,000+ Cycles



**EXTENDED  
WARRANTY**  
4 to 8 Year Protection  
Based on Model and  
Registration

THE ONLY BATTERY YOU'LL NEED

[WWW.USBATTERY.COM](http://WWW.USBATTERY.COM)

# INTELLiGENT DESIGN INSIDE AND OUT

U.S. Battery's exclusive new **ESSENTIAL** Li<sup>®</sup> Lithium-ion battery line is engineered with safety in mind and features redundant control mechanisms and Lithium Iron Phosphate (LFP) cell chemistry, widely considered the safest and most robust option currently available. Each battery features an intelligent built-in Battery Management System (BMS) that monitors the status of the pack. The new line is designed to be a long-lasting, maintenance-free, lightweight, alternative option to Lead Acid batteries.

## FEATURES:

**CAN Networking\***- Automotive grade connections allow manufacturers to integrate the battery with devices such as motor controllers and chargers to allow for communication of battery status.

**Mobile App Enabled\*\***- Allows users to connect to the battery with the mobile app, downloadable on most smart devices.

**Wake/Status Button**- The button allows users to turn the battery off for installation or long term storage.

**Scalable**- Multiple batteries can be used in parallel for increased capacity

**LED Charge Indicator**- Allows the user to see the current State of Charge, and any error codes.

**Waterproof**- IP67\* and IP65\*\* construction prevents damage from outside particles and moisture.

**Automotive Grade LFP Prismatic Cells**- Laser welded cells deliver optimum safety and performance.

\*Available on 24V and 48V batteries

\*\*Available on the US 12V G24

## ESSENTIALi<sup>®</sup> Models:

BCI Size	Model	Terminal	Voltage	Capacity	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
24	US 12VG24	M8 insert	12.8V	100AH	10.24" (260)	6.61" (168)	8.27" (210)	22.7 (10.3)
GC2	US 24VGC2	M8 insert	25.6V	67AH	10.24" (260)	7.09" (180)	11.04" (280)	32.2 (14.6)
GC2	US 48VGC2	M8 insert	51.2V	30AH	10.24" (260)	7.09" (180)	11.04" (280)	32.2 (14.6)
---	US 48V105	M8 insert	51.2V	105AH	12.54" (318.5)	17.46" (443.5)	10.12" (257)	90.7 (41.2)



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