



QUICK START GUIDE

TROJAN® GC2 48V LITHIUM-ION BATTERY

WHAT'S IN THE BOX

- Trojan® GC2 48V Lithium-Ion Battery
- Terminal Hardware
- Quick Start Guide



Less maintenance



Long lasting



Optimized for your golf vehicle

TOOLS NEEDED



Eye protection & gloves



Insulated torque wrench



13mm socket



Voltmeter (optional)



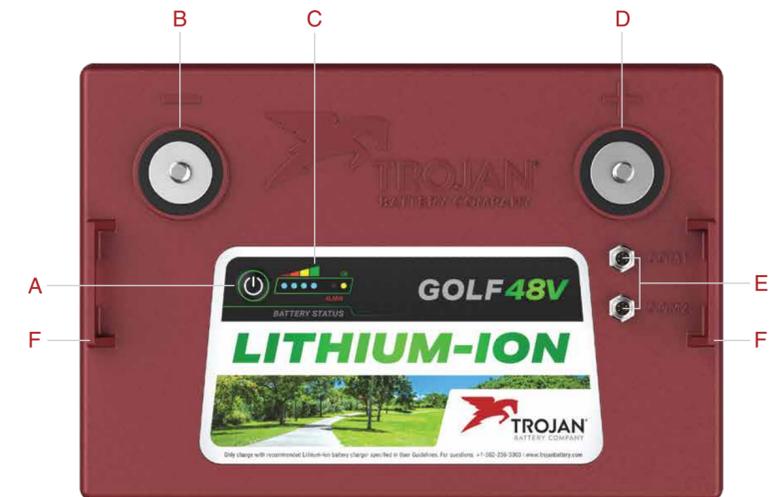
Lifting Strap (recommended)



Cables

BATTERY INTERFACE

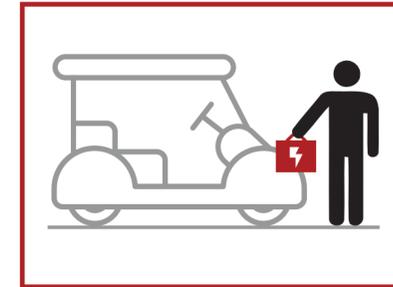
- A. Status Button
- B. Negative Terminal (M8 size)
- C. Battery Status Indicators (SoC)
- D. Positive Terminal (M8 size)
- E. Communications Port I/II
- F. Lifting Brackets



SAFETY

- Turn batteries off during installation.
- Wear proper personal protective equipment (eye protection and gloves).
- Use insulated tools.
- Do not wear jewelry or other metallic objects when handling batteries.
- Keep sparks and flames away from batteries. This includes sources of static electricity.
- Use battery lifting strap
- Use cables of appropriate length and gauge. (See Trojan® GC2 48V Lithium-Ion User's Guide for specific cable sizes)
- Ensure the charger is set as recommended. (See Trojan® GC2 48V Lithium-Ion User's Guide for charger recommendations)
- Prior to connecting, make sure the charger is off or disconnected.
- Do not attempt to open the battery case.
- Review product warning labels and Trojan® GC2 48V Lithium-Ion User's Guide

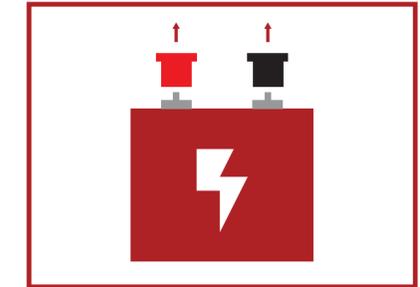
INSTALLATION



- Use a lifting strap to attach to lifting brackets on battery for easy handling.



- Place GC2 48V Lithium-Ion in golf vehicle battery compartment.



- Remove protective terminal caps before installing.

⚠ For more detailed installation instructions, refer to Trojan® GC2 48V Lithium-Ion User's Guide

INSTALLATION (Cont.)



Cable Connections:

- Tighten all cable connections to the proper specification to make sure there is good contact with the terminals. Over-tightening can result in terminal breakage.

Terminal Torque:

- 80-90 in-lbs (9-10 Nm)

Orientation:

- Batteries should only be installed in a vertical orientation with the terminals pointing up.

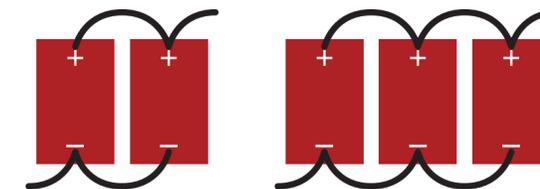


INSTALLATION (Cont.)

Cable Sizing:

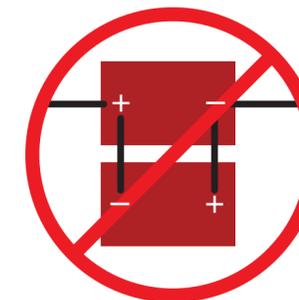
Battery cables should be sized to handle the expected load. Refer to Trojan® GC2 48V Lithium-Ion User's Guide for the maximum amperage based on the cable gauge size.

Parallel Connection:

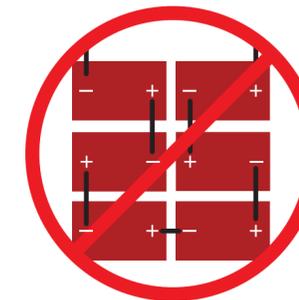


System Voltage: 48V
System Capacity: 60Ah

System Voltage: 48V
System Capacity: 90Ah



⚠ Do NOT install batteries in reverse polarity. This may permanently damage the battery.



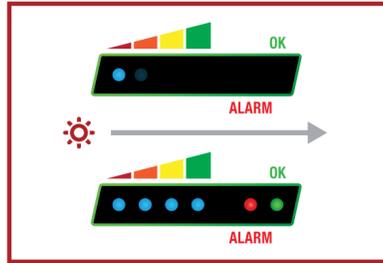
⚠ Do NOT install batteries in Series. This may permanently damage the battery.

GETTING STARTED

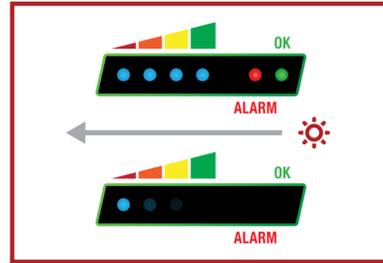
⚠ Before using the battery, fully charge the battery with the recommended charger.



• **Power On/Off:** The Status Button is located next to the LED indicators.



• **Turning On:** Press and *hold* the Status Button. LEDs will successively turn on from left to right. Once all LEDs are on, wait another 1-2 seconds and release the Status Button.



• **Turning Off:** Press and *hold* the Status Button. All LEDs will turn on, then successively turn off from right to left. Once all LEDs are off, wait another 1-2 seconds, then release the Status Button.

STATE OF CHARGE INDICATOR GUIDE

LED COLOR INDICATION	BATTERY CONDITION	INDICATOR VISUAL
4 Blue LEDs	76% - 100% Capacity Remaining	
3 Blue LEDs	51% - 75% Capacity Remaining	
2 Blue LEDs	26% - 50% Capacity Remaining	
1 Blue LED	0% - 25% Capacity Remaining	
Red LED	Active Alarm / Fault Condition in the battery	
Green LED	Normal Operation	

TROJAN TRUST

- Over 200 years of combined engineering expertise.
- Full range of advanced Deep-Cycle Flooded, AGM, Gel, and Li-Ion batteries.
- Quality components for reliability and performance.
- Industry-leading return on investment and low cost of ownership.
- Outstanding technical and customer service.
- Trojan's battery testing procedures adhere to both BCI and IEC test standards.
- Global – sold in over 120 countries.



For more details, please refer to **Trojan® GC2 48V Lithium-Ion** User's Guide, available at: trojanbattery.com

Product Registration: www.trojanbattery.com/lithium-ion/registration

TECHNICAL SUPPORT

Call Trojan Battery Technical Support:
 United States and Canada: 800-423-6569, dial ext. 3045
 International: +1-562-236-3045
 Email: technical@trojanbattery.com
 On the web: trojanbattery.com/tech-support/

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