



QUICK START GUIDE

TROJAN® BATTERY CHARGE INDICATOR

FEATURES

- Three-Line Display
- Low Battery Indication
- Water- and Dustproof
- Backlight for Easy Viewing
- Easy Dashboard Installation



WHAT'S INSIDE THE BOX

- Battery Charge Indicator
- Cable Adapter
- Mounting Bracket
- Communication Port Terminator
- Quick Start Guide
- Power and Communication Harness



State of Charge %



Alarm Notification

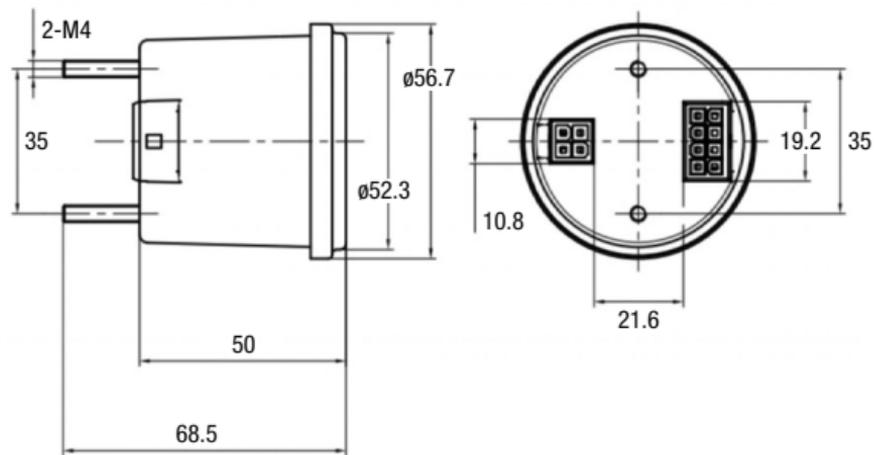
SAFETY

- 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.)
- Prior to connecting, make sure the charger is off or disconnected.
- Do not open battery case.
- Review product warning labels and Trojan® GC2 48V Lithium-Ion User's Guide.

The Trojan Battery Charge Indicator is a convenient way to check the charge status of batteries. It is not intended as a safety feature. Lithium-ion batteries, including the Trojan GC2 48V Lithium-ion battery, will automatically disconnect from the host system under a variety of conditions to prevent internal damage to the battery. Please consult the Trojan GC2 48V User's Guide for a complete list of automatic disconnect events and safety information. This guide is for installation of the Battery-Charge Indicator only. Refer to the Trojan GC2 48V Lithium-Ion Battery User's Guide for battery installation instructions.

SPECIFICATIONS

Battery Charge Indicator diameter is based on industry standard size.



DIMENSIONS mm

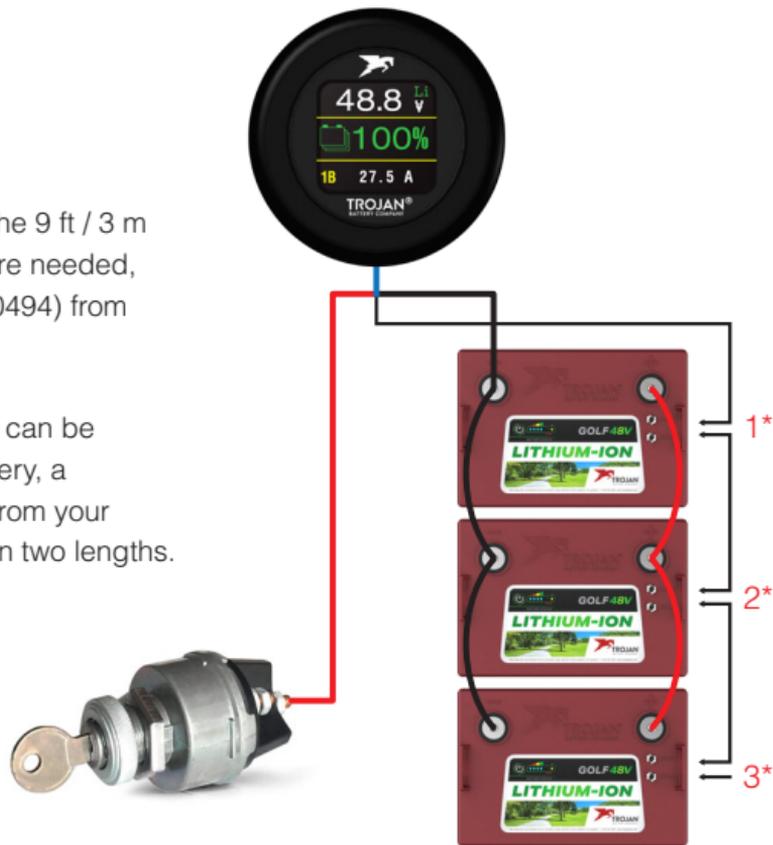
INSTALLATION SETUP

The Battery Charge Indicator installation setup requires the 9 ft / 3 m power communication cable provided. If longer cables are needed, order 20 ft / 6 m (PN 10000493) or 33 ft / 10 m (PN 10000494) from your local Authorized Trojan Dealer.

Although a three-battery installation is shown, this gauge can be used with one or more batteries. For each additional battery, a battery-to-battery cable (not included) must be ordered from your local Authorized Trojan Dealer. The cables are available in two lengths.

- 1.6 ft / 0.5 m Cable (PN 10000479) Recommended
- 3.2 ft / 1 m Cable (PN 10000480)

- 1* – Battery-to-Battery Communication Cable #1
- 2* – Battery-to-Battery Communication Cable #2
- 3* – Battery Termination Connector Cap



KEY POINTS FOR INSTALLATION

1. Turn off each battery in the string by following the Turning Off Procedure.

Turning Off Procedure: 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 two seconds, then release the Status Button.

2. Locate the end of the power communication harness that has the main connector and route it through the existing hole or new hole in the vehicle dashboard and through the mounting bracket.
3. The communications cables have a keying feature that allows them to be installed in only one orientation. Be sure to align this feature before carefully pushing the connector into engagement and tightening the locking ring.

KEY POINTS FOR INSTALLATION (Cont.)

4. Connect the main connector to the back of the Battery Charge Indicator and mount it into the hole in the vehicle dashboard. Secure with the mounting bracket on back of the vehicle dashboard.
5. Connect the positive or power (red) and negative or ground (black) wires coming out of the harness separately.
6. The negative (black) wire should be connected to the main negative terminal of the battery string.
7. The positive (red) wire has a replaceable fuse. It should be connected to the output of key switch of the vehicle.
8. After installation, verify that the gauge powers off when the vehicle key is switched to the OFF position. If it does not, the positive (red) wire must be reconnected to a switched power source.

KEY POINTS FOR INSTALLATION (Cont.)



Do NOT connect the positive (red) wire directly to the main positive terminal of the vehicle battery string as it will prematurely drain the batteries if the vehicle is not connected to a charger.

- 9.** After installing the power communication harness, the next cable(s) to install are the battery-to-battery communication cable(s).
 - a.** Each battery must be connected together via the battery-to-battery communication cable(s).
 - b.** Attach the battery communication cable to either communication port on top of the battery and then connect the other end to the next battery.
 - c.** It is not critical which battery is established as the "first" battery to which the primary harness is connected.

KEY POINTS FOR INSTALLATION (Cont.)

10. For the last battery in the string installation, the Battery Termination Connector Cap must be connected to the last open Communications Port.
11. The final step is to turn each battery in the string back on following the Turn On Procedure.

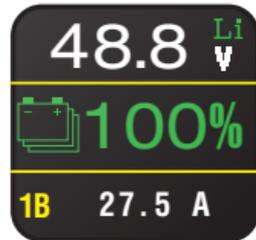
Turn On Procedure: Press and hold the Status Button. LEDs will successively turn on from left to right. Once all LEDs are on, wait another one to two seconds and release the Status Button.

Care should be taken so that the harness does not rub against sharp metal edges or crimp when installed.

CHARGE INDICATOR MESSAGES

The display will show the battery charge level of all lithium-ion batteries connected to it. The following information will be shown:

At initial power up of the indicator, the number of batteries connected and powered on in the vehicle will be displayed. Make sure the number displayed equals the number of batteries in your vehicle. If it doesn't, check that each battery is on and that all cables are connected securely.



Remaining Charge Status

CHARGE INDICATOR MESSAGES (Cont.)

When the battery capacity is below 10% state of charge, the “Low” message will appear. When this message is present, the battery pack must be charged.



TROJAN TRUST

- Over 200 years of combined engineering expertise
 - Full range of advanced Deep-Cycle Flooded, AGM, Gel, and Li-ion batteries
 - High-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 BCI and IEC test standards
 - Global – sold in over 120 countries



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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