

Connect the orange wire to a switched B+ power source (such as the ON side of key switch).  
Alternatively, if constant 12V power is required, connect the orange wire directly to positive terminal on battery.



## WARNING

- WORKING WITH LITHIUM BATTERIES CAN BE DANGEROUS. SAFETY GEAR SUCH AS PROTECTIVE EYEWEAR, INSULATED GLOVES, AND INSULATED TOOLS ARE REQUIRED FOR SAFE INSTALLATION.
- IF YOU DO NOT FULLY UNDERSTAND THIS GUIDE AND ARE NOT TRAINED TO WORK WITH LITHIUM BATTERIES, PLEASE STOP AND SEEK PROFESSIONAL INSTALLATION.
- THIS GUIDE IS NOT MEANT TO GIVE AN UNTRAINED PERSON ENOUGH KNOWLEDGE TO COMPETENTLY WORK WITH LITHIUM BATTERIES OR ELECTRIC VEHICLE SYSTEMS.
- DAMAGE TO THE BATTERY, SYSTEM COMPONENTS, OR PROPERTY DUE TO INCORRECT OR IMPROPER INSTALLATION IS NOT COVERED BY THE WARRANTY. DO NOT SHORT CIRCUIT OR CONNECT WITH REVERSE POLARITY, DAMAGE FROM IMPROPER CONNECTIONS IS NOT COVERED BY WARRANTY.
- IMPORTANT: INSPECT YOUR NEW BATTERY FOR ANY DAMAGE THAT MAY HAVE OCCURRED DURING SHIPPING. IF THERE ARE ANY VISIBLE SIGNS OF DAMAGE, DO NOT CONTINUE AND CONTACT YOUR DEALER OR ECO BATTERY.

# BEFORE YOU BEGIN

Take pictures of the original batteries & wiring. This will help in troubleshooting later if necessary

- 1 - Turn the key to the OFF position. If your cart has a tow/run switch, place it in the TOW position.
- 2 - Identify and label the main **POSITIVE** and main **NEGATIVE** battery cables, as well as any other wires such as 12V accessories.
- 3 - Remove the original battery hold-downs, cables, and any water maintenance systems from the batteries. Remove original batteries.
- 4 - Ensure Eco Battery is off by pressing the on/off button until the green light illuminates, then press it again to turn it off.
- 5 - Securely mount the battery into your cart per the supplemental guide for your make/model.
- 6 - Securely mount the Eco Battery charger in a location safe from direct water spray. Maintain at least 6 inches of open space from the fan.
- 7 - If your cart has lights or 12V accessories, install the 12V converter using the 12V converter quickstart guide. See the diagram on page 1.
- 8 - Connect the controller, charger, and converter **POSITIVE** cables to the **POSITIVE** battery terminal. Connect the controller, charger, and converter **NEGATIVE** cables to the **NEGATIVE** battery terminal.  
**IMPORTANT:** Make sure the highest current drawing cables are installed first, followed by lower draw cables and wiring. (ie: controller cables closest to the battery, charger, and 12V converter last). See the diagram on page 1.
- 9 - Find a suitable location for the LCD battery meter. **BEFORE CUTTING ANY HOLES**, ensure that you can route the LCD cable to this location and that there is sufficient clearance behind the meter. Use a 2-1/16" hole saw (52mm) to cut the hole for the meter or use the optional mounting bracket (not included) to mount the meter.
- 10 - Connect the LCD meter harness to the battery, making sure to line up the alignment tab on the battery. Route cable to the back of the LCD meter, and connect both white connectors to the back of the meter. (NOTE: There are two extra 2-wire CAN pigtails attached to the LCD cable. Unless specifically instructed to use these connectors with your charger or controller, they will be unused).
- 11 - If applicable, install 110V charging port, per the instructions for your make/model.
- 12 - Double check all wiring. If you are not 100% sure all wiring is correct, do not power on the battery.
- 13 - If you are confident the wiring is correct, power on the battery by pressing/releasing the on/off button. Once the button is illuminated green, the battery is on and power is available. If the light is not illuminated green, the battery is in an error state. Contact your dealer or Eco Battery.
- 14 - Charge the battery fully before any extended driving. The LCD meter will self-calibrate to 100% after the first full charge cycle. Note: The power button must be turned on for discharge and charge to work properly.
- 15 - Test the cart to ensure it moves when the throttle is pressed. Check the 12V accessory function.

Note - It is recommended that your battery be charged daily to ensure a full charge at the beginning of each use. The battery may be left connected to the charger for up to ten days. For long-term storage exceeding ten days, turn the battery on/off switch to the off position and disconnect the charger.