



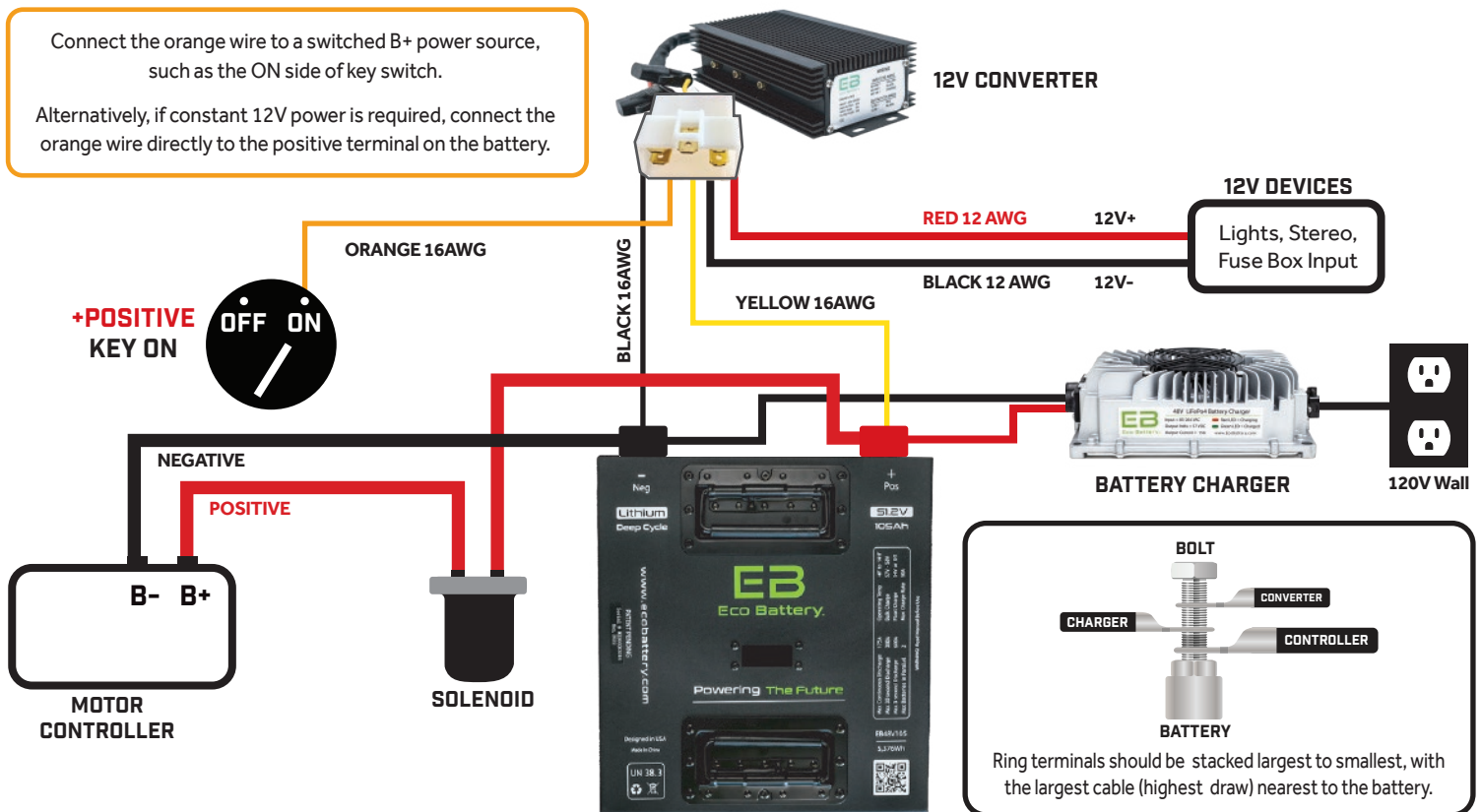
Eco Battery

# 12V CONVERTER

38V | 51V | 70V

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 the positive terminal on the 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.



Eco Battery

# 12V CONVERTER

38V | 51V | 70V



1. Locate your Eco Battery 12 volt converter and wiring harness. Connect the harness to the converter using the white connector.
2. Mount the Eco Battery 12 Volt Converter in a safe, dry location in the battery compartment.
3. Determine where each wire in the harness needs to connect (*see diagram*) and loosely route the harness in that direction. If you discover that one or more wires would be better routed by branching off the main harness, you can pull that wire(s) from the main harness sheathing at the point best suited. Use a piece of electrical tape to secure any wires where they exit the main harness.
4. With the harness loosely routed in the proper direction, begin securing it using zip ties, or your preferred method, starting at the converter and working your way towards the final connection.
5. Connect the positive 12 volt output wire (*large, red wire in the harness*) to the 12 volt accessory positive input wire. Connect the negative 12 volt output wire (*large, black wire in the harness*) to the 12 volt accessory negative input wire.
6. Connect the Orange wire in the 12 volt converter harness to key on power.
7. Connect the main positive cable, positive charger cable and positive 12 volt converter input wire (*small, yellow wire in the 12 volt harness*) to the **POSITIVE** terminal on the battery.
8. Connect the main negative cable, negative charger cable and negative 12 volt converter input wire (*small, black wire in the 12 volt harness*) to the negative terminal on the battery.
9. Double check that all wiring is correct prior to turning on the battery. If you do not feel comfortable with the wiring or have any questions, **DO NOT** turn on the battery and call your dealer for assistance.
10. Once you are confident in the installation, turn on the power button by pressing it once. The power button will immediately illuminate green, indicating the battery is now on and there is power at the terminals.
11. Function check the various systems of the cart including the drive and 12 volt system operations.

**Note:** The power button must be turned on for discharge and charge to work properly. For longterm storage (14 days), turn battery on/off switch to off position.



# READ BEFORE INSTALL



HEAVY  
TEAM LIFT REQUIRED



HIGH VOLTAGE  
HANDLE WITH CARE



DO NOT PRESSURE  
WASH OR SUBMERGE



CHARGE BATTERY  
BEFORE USE

## WARNINGS

- ⚡ High Voltage. DO NOT install or service this battery unless you are properly trained.
- ⚡ Use only with components that have the same voltage and current rating as the battery.
- DO NOT touch or connect to the terminals unless the battery is manually turned off.
- DO NOT open or attempt to service the battery, there are no user serviceable parts inside.

## USE & CARE

- Charge the battery daily to ensure it is always fully charged and ready to use.
- Batteries will not charge if the internal battery temperature falls below 34F.
- DO NOT pressure wash, submerge, or use chemical agents to clean your battery.
- Clean the battery using a damp cloth that does not include chemical agents.



For additional product info, user manuals, user guides, and warranty information, please visit <https://ecobattery.com/quickstart> or scan the QR code.