

## XR Extended Range Battery Pack Installation and User Guide

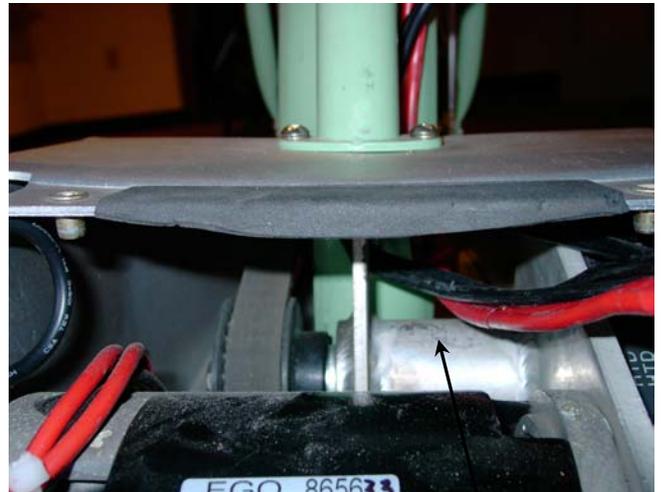
The XR Extended Range Battery Pack (XR-01) is a 24V battery, packaged in a tough padded nylon bag, which is mounted to the deck of the eGO/Helio Cycle. The addition of this battery will add approximately 50% more range to the Cycle. The design is such that it can be simply installed and removed in seconds if the extra range is not needed. In addition, the XR battery pack is charged by the existing on-board charger and the total energy available is shown on the 10-bar LED battery gauge.

This document contains instructions installing the on-board wiring and using the XR Extended Range Battery Pack

### Installation of permanent on-board wiring:

The long (~28"/~70cm) black and red wires are permanently installed in the Cycle and lead from the controller to behind the seat post.

1. Remove the foot deck of the Cycle by removing the two 3mm allen head machine screws holding it in place.
2. Remove the dash of the Cycle by removing the six 3mm allen head machine screws holding it in place
3. Remove the batteries from the Cycle using the procedure in the Owner's Manual.
4. Select the long black wire from the kit.
5. Thread the end with the black connector over the motor, inside the chassis, to the RIGHT of the vertical aluminum support behind the motor (looking REARWARD), over the short horizontal aluminum tube.
6. Push it through until it comes out next to the spokes of the wheels – pull it up between the wheel and the chassis
7. Bending the fender rearward away from the area where it touches the silver chassis, slide the black wire between the fender and the silver chassis. About 5" of wire/connector is all that needs to protrude from the chassis.
8. Position the connector so it stays just to the right of the painted seat tube (looking REARWARD).
9. Select the long red wire next.
10. Using the same process, place the red connector next to the black connector just to the right of the painted seat tube (looking REARWARD).



**NOTE: Even though the batteries are not connected there is a small amount of energy stored in the controller. If the two posts are shorted they will produce a spark. No personal injury can occur but it may be a surprise to you.**

11. With a 10mm socket or 10mm open end wrench remove the nut on the B- post of the controller. Place the ring terminals of the black XR Battery Pack wire harness over the B- post (with all the other BLACK wires) and replace the nut on the B- post. Tighten.
12. With the 10mm socket or 10mm open end wrench remove the nut on the B+ post. Place the ring terminals of the red XR Battery Pack wire harness over the B+ post (with all the other RED wires) and replace the nut on the B+ post. Tighten.

13. Route the ring terminal end of both wires along the side of the battery compartment opposite the kickstand and into the electronics compartment. Next the batteries will be replaced so these wires cannot be routed directly over the battery compartment.
14. Replace the batteries into the Cycle using the procedure in the Owner's Manual.
15. Replace the foot deck of the Cycle and replace the two 3mm allen head machine screws.
16. Replace the dash of the Cycle and replace the six 3mm allen head machine screws.

### Attachment of the XR Battery Pack:

1. Set the XR Extended Range Battery Pack on the deck of the Cycle with the zipper of the bag facing rearward.
2. Hook the clips of the bag under the "wings" of the Cycle chassis, one on each side.
3. Tighten the straps to secure in place
4. Use the Velcro strap to secure the bag tightly to the seat post
5. Plug the RED connector from the battery pack to the RED connector coming from the chassis.
6. Plug the BLACK connector from the battery pack to the BLACK connector coming from the chassis.
7. FULLY CHARGE the total battery system before using. Plug the Cycle into an AC wall outlet and wait until the charger light show full charge with the RED/GREEN indication.



### Using the XR Battery pack:

- Whenever possible keep your XR Battery Pack connected and charging. The batteries will be mostly healthy if charged.
- You may ride and charge the Cycle with or without the XR Battery Pack attached.
- Be sure the pack is well secured to the chassis and seat post to avoid bouncing.
- You may put your feet on the pack while riding, do not stand on the pack.
- The XR-01 is a 24V battery DO NOT attempt to charge this battery with a 12V charger.

For further information visit "Support" at:

[www.egovehicles.com](http://www.egovehicles.com)