



External Battery Installation Instructions 2011 Rev 1.0 10/7/11

The following instructions are for the installation of your 2011 Optibike external battery.

Your external battery package includes the following.

Part List:

- 4 each 6mm flange bolts
- 4 each 6mm washers
- 1 each external battery
- 1 each external charger (will have orange dot with an 'E' on it)
- 1 each external cable
- 1 each installation instructions

1. Remove rear fender and all fender hardware using 4mm hex tool. These four bolts and fender will not be used with the external battery.





2. Install two of the four supplied 6mm flange external battery bolts (and washer) with a 5mm hex tool into the bottom two fender mounts until they are $\frac{1}{4}$ of the way in. Make sure the washers are touching the bolt head as pictured. Have the remaining two bolts and washers and a 5mm wrench within reach before beginning the next step.





3. Holding the battery with one or two secure hands (as pictured) slide the external battery into position (by sliding lower mount slots onto the two bolts), making sure you are always supporting the battery during this step.





4. While still supporting the weight of the battery, align upper holes and attach the two upper 5mm bolts (with washer). Once you have all bolts screwed in, tighten to 100 inch/pounds.





5. With the supplied external battery cable, locate the male connector and attach to the external battery front port.





6. Now attach the female end of the cable to the Optibike rear relay port.





7. Move the relay switch towards the rear of the bike and you are now ready to ride with your new external battery!

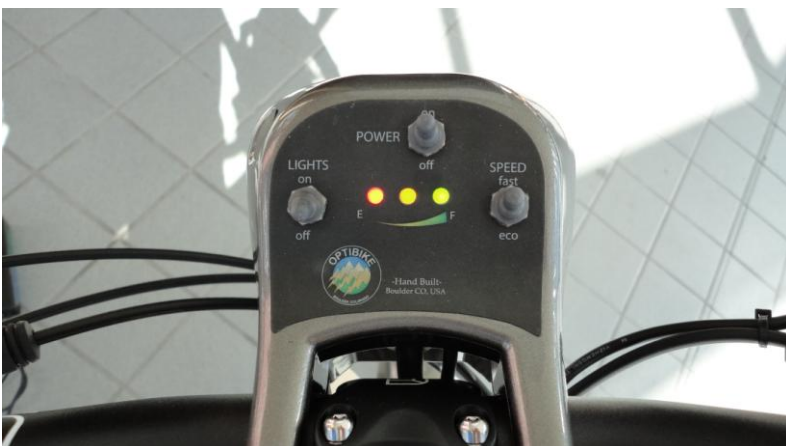


8. To charge your external battery , use the supplied charger (with orange dot) and plug it into the three prong port (rear port) on the external battery as shown in picture below. To charge the external battery the bike does not have to be on. The external battery can also be charged without being connected to the Optibike.





9. Do not use the external charger (orange dot with 'E') on your internal battery, it may be a different voltage!
10. The external battery can only be charged by plugging the supplied charger into the external battery, it cannot be charged from the port on the Optibike.
11. You can charge both your internal and external battery at the same time. To do so begin charging the external as described in step 8.
To charge the internal battery:
 - a. Turn main relay switch to forward position
 - b. Plug your Optibike charger into the charge port on bike
 - c. Flip headlight display on/off switch to on
 - d. Turn on charger





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12. Be sure to tighten all external bolts to 100 inch/pounds before each ride to ensure that they have not loosened or been tampered with.
 13. The Optibike contains two gas gauges, one for the internal battery and one for the external battery. The bike will automatically change gauges when you switch from one battery to the other.
 14. The external battery is compatible with Topeak MTX slide-on rear rack bags. Never load more than 20lbs onto the external battery.
 15. If you are not using the external battery on a daily basis it is recommended that you remove it and use the standard rear fender to decrease the weight and increase the performance of your bike.

Caution:

**If you drop the external battery or it is damaged in anyway DO NOT USE!
and call Optibike for instructions.**

303-443-0932

Never load more than 20lbs onto the external battery.