

# Instructions for Lithium Battery Packs

## 1. After receiving shipment

First inspect battery pack for physical damage. If punctured, do not use and contact us immediately. When you first receive your battery, charge it up before use. It's ok to briefly test it, but it might not be fully charged.

## 2. Battery Pack Operation

It is recommended to break in a new pack by discharging it only to about 50% for the first five times, charging to full after each use. The BMS in the pack has a current limit of about 30A. It is recommended that the motor controller current limit be set below this value to prevent the BMS from tripping.

## 3. Charging

When you plug the charger into the pack, there might be a small spark due to a surge of current caused by the capacitors in the charger. This is normal. It can be eliminated by plugging the charger into the wall first. When charging, note the LEDs on the charger. One LED indicates AC power and will turn green after a few seconds. The other LED is the charge indicator and will be red when charging, and green when charging has finished. It is ok to leave the charger on overnight. The charger will turn off it's output when the current drawn from the battery reaches a preset low level. It is not recommended however, to leave the charger plugged in continuously. The charger connector on the battery pack is (electrically) hot, be careful not to short the contacts when you insert the charger plug.

## 4. Mounting Pack on Bike

The pack is not designed to take any force or impact. It is recommended that the customer enclose the pack in a hard case, such as a plastic box. If placed in a nylon battery bag, insert cushioning material underneath the battery. Make absolutely sure the battery will not fall off the rack as it most likely will sustain physical damage which is not covered under warranty. Do not place bungy cords, straps, or elastic cords tightly around pack.

## 5. Cautions

- Do not allow pack to get wet
- Do not place any force on pack
- Do not drop pack
- Only use the charger supplied with pack
- Do not short the output
- Do not allow pack to bang against metal bike rack
- Do not charge pack in extremely hot ambient temperature.
- Do not put other batteries in series or parallel with the pack.\*
  - \* Please contact us for information on paralleling packs.