



## ***Frequently Asked Questions for the e-Moto Ecco 1.5***

March 2011

### ***How do I unpack and setup the bike?***

Remove the bike from the carton and remove any packing material or protective plastic. Next, straighten the handlebars relative to the front wheel and tighten the 6mm Allen bolt in the center of the stem.

### ***How do I install the pedals?***

Look at the end of each pedal for a decal or stamping of “R” or “L” for left and right. Thread the pedals into the bike, taking careful note that the left side pedal is a reverse thread. Tighten the pedals with a 15mm open-end wrench.

### ***How do I charge the battery?***

With the key in the OFF position, slide the charging port cover up on the battery. Insert the plug into the battery first, then plug the charger into the wall. Note: the battery should be charged during setup, before the bike is ridden.

### ***Should I charge the battery if I am not using the bike?***

The battery should be charged every 2-3 months whether it is being used or not. Always try to store the battery fully charged.

### ***How do I turn the bike on?***

Turn the key mounted on the battery clockwise from the OFF position. This will cause the dashboard lights to turn on. Next make sure either H or S is selected on the switch located on the right handlebar. The center position of that switch will disable the electric assist.

### ***How does the bike work?***

With the key turned on and the system enabled, as you pedal the bike a sensor in the crank will turn on an electric assist from the motor mounted within the front wheel. Additionally, on flat ground you can use the thumb throttle mounted on the handlebar to add assist without pedaling.

### ***What does the H-S switch do?***

Mounted next to the shifter on the right side of the handle bar is a small rocker switch that controls the assist modes:

**The Center Position:** Turns off the electric assist completely.

**The 'H' Position:** Provides the full 16-mph assist speed.

**The 'S' Position:** Provides a 10-mph assist, for more aerobic work at a cruise and better range from the battery.

### ***What are the key positions on the battery?***

Starting in the full-counter-clockwise position, the key positions are: UNLOCK, OFF, and ON. In the OFF and ON positions the battery is locked into the bike with a cylinder at the top of the battery. To switch from OFF to UNLOCK you must push in the key while turning counterclockwise.

### ***How do I remove the battery?***

Start by removing the seat. Next, push in the key while turning counterclockwise until the key is in the UNLOCK position. Then flip up the handle on the top of the battery and pull firmly until the battery comes free. Some force is required to remove the battery.

### ***When should I use the throttle?***

The throttle is designed to allow for electric assist without pedaling while **on flat ground only**. As you encounter hills, the rider must pedal to preserve battery life and the reliability of the electric bicycle.

### ***How do I shift gears?***

On the right side of the handlebar there is a twist shifter for the Shimano Nexus gear box. Twisting the shifter away from the rider moves the bike into lower gear for less effort going up hills. Twisting toward the rider gives a higher gear for hi-speed riding on easier terrain.

### ***What is the rider weight limit on the bike?***

e-Moto bicycle frames are rated up-to 300lb rider weights. Note: to ensure safe operation, never raise the seat beyond the minimum installed height line engraved into the seat post.

***How many charges will the battery last?***

The Ecco 1.5 battery is designed to be charged between 400-600 times during its life.

***How can I get a warranty card?***

A warranty card can be downloaded from: [http://www.emotoev.com/emoto\\_warr\\_card.pdf](http://www.emotoev.com/emoto_warr_card.pdf)