

## Electric bikes “flatten the Earth”

What comes to mind when you hear the term “electric bike?” Do you picture someone in poor physical shape loping along on a scooter-looking device because they are unable to ride on their own? Get ready to be amazed as you meet the newest generation of high-tech, smartly designed hybrid bikes spanning the markets from leisure to extreme sport.



**Robin Bradley Hansel**

Green Treehouse Media, LLC

ON YOUR MARK PERFORMANCE

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the On Your Mark Performance team will be able to take care of any possible servicing you might need. All come with a five-year warranty on the entire bike and a two-year warranty on the lithium ion battery.

Although many curious customers think that pedaling the bike recharges it, this is not the case.

Matt Goforth explains, “The physics behind trying to recharge the bike at the same time as you are pedaling would offset the benefits of the pedal-assist feature. The manufacturer explains that it would basically turn into an exercise bike and not go anywhere.”

Simply plug the bike into a regular wall outlet to charge and ride for less than one cent a mile. This bike is perfect for someone taking short 10-20 mile trips around town to run errands or an individual with a moderately ranged weekly work commute interested in saving significant gas money.

Forward thinking, ecologically minded customers realize these e-bikes offer the most cost-effective design on the road.

The term “pedal assist” means that you still do the work, but the bike



sure you put on the pedals, the sensor kicks in which then gives draw on the motor and battery. The bike responds by providing you with just the power you need. If there is no tension on the pedals like when you are going downhill or with the wind, the system functions just like a regular bike. As soon as you touch the brake the motor turns off, so stopping safely and easily is no problem at all.

“These bikes essentially ‘flatten the earth,’” explains

responds by giving you power on demand.

For example, the same effort you spent riding 15 mph on your regular pedal bike is now enhanced by the bike to help you go 20-25 mph with much more of a comfortable experience. For the average commuter, this means you are getting there in half the time with much less effort.

“A great local example of this feature would be going up and over the Blue Heron Bridge. This particular pedal assist bike’s motor kicks in as soon as the bike starts going uphill, and it pushes you right up over the hill as long as you keep pedaling,” explains Matt Goforth.

The bikes function on a torque-based system. When the chain gets really tight from the pres-

Matt Goforth.

Contact the professionals at On Your Mark Performance Center today to learn more. They currently have two exciting e-bike models in stock for you to preview: the NEO City perfect for commuters and the sporty NEO Cross which received the Best Design and Functionality Award at Eurobike 2011. ■



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