

# Optibike 400

The Optibike 400 offers the perfect blend of Performance, Style, and Safety that makes for the perfect commuting or recreation vehicle. At only 57 lbs, the Optibike 400 offers the world class balance, handling, and performance that made Optibike the best. The fully integrated electronics and battery are housed inside of the sleek monocoque aluminum frame for the ultimate all weather, all terrain riding experience. Riding the Optibike 400 is the perfect way to feel healthier and take the stress out of getting where you need to go. Read what Optibike 400 owner Barry H. from Capetown, South Africa has to say [Features and Benefits](#)

## Sleek Monocoque Frame:

The aluminum Optibike 400 frame incorporates style and function in an integrated package. Smooth clean lines mean you will turn heads wherever you go on your Optibike, weather whizzing past roadies or bombing down the trails.

## Low Center of Gravity:

The Optibike 400 carries 60% of the overall weight directly under the rider and less than 18 inches from the ground. This translates to safe, quick handling that is unmatched in the industry.

## Motorized Bottom Bracket (MBB)

The MBB is what makes an Optibike the leader in High Performance E-Bikes. The patented maintenance free gear system gives the rider the freedom to pedal as much or as little as desired while maximizing the acceleration and range of the Optibike.

## Safe, reliable Avid Disk Brakes

Vented disk brakes give the Optibike 400 superb stopping power. Conventional rim brakes are subject to "fading" due to overheating, buildup of dirt and oils, and in wet conditions. When traveling 25+ mph, there is no safe alternative to the best disk brakes available.

## Full Suspension

The Optibike 400 comes fully equipped with industry leading Fox Air Fork and Fox Float shock giving the Optibike world class handling on and off road. Fox has been leading the suspension component industry since 1974. High Quality full suspension is an absolute necessity for your safety and comfort.

## Standard Integrated Fenders

Front and rear fenders shield you from the brown strip that normally appears on your spine when crashing through mud puddles with an ear to ear grin.

Ultrabright Halogen Headlamps    Midnight cruise anyone? No problem. Ultrabright Headlamps light up your field of vision so you can safely cruise at night and so others can see you without the hassle of remembering to change your headlight batteries!    [Optibike 400 Specs](#)

## Performance

### Riding modes:

2 modes: sport & economy

### Stock range:

20 miles - electric only  
25 miles - moderate pedaling  
28+ miles - hard pedaling

### Stock run time:

1 hour - sport mode  
85 min - economy

Top Speed:

20mph - electric only  
25 mph - cruising speed  
28+ mph - with pedal assist

Overall weight:

57 lbs

Battery type:

36v 13ah NiMH

Motor:

High efficiency, brushless DC with Rare earth Neodymium Iron Boron Magnets

Motor Drive:

Patented Motorized Bottom Bracket® (MBB)

Controller:

Proprietary Derivative Power Control® (DPC)

Motor Power:

400w continuous

Suspension:

Front: Fox Vanilla R Front Fork  
Rear: Fox Air Floater long travel Rear Shock

Brakes:

Front and rear: Safe, long lasting Avid BB5 6&rdquo; vented disk

Gearing:

Shimano 7 speed cassette rear  
44 tooth front sprocket

Shifting:

Sram Grip-Shift  
Shimano 105 7 speed Derailleur

Frame:

Sleek Monocoque Aluminum Frame

Color:

Durable Powdercoated Optibike Red

Wheels:

Mavic 26" wheels

Throttle:

Electronic Right Thumb

Lights:

Dual Ultrabright 10 watt Halogen