



E-BIKES SYSTEMS (selection)

BOSCH

eBikes inspire and drive our mobility and are one of the most agile, comfortable and simply clever means of transportation of our time. They positively affect our health, the environment and society.

The most modern components and a high degree of design flexibility offered by the Bosch drive systems form the foundation for bicycle manufacturers' diverse palette of products – whether they be full suspension, mountain, trekking, city or touring bikes.

DRIVE UNIT

– the heart of the system.

It is located in the bottom bracket and the cranks are attached to it, hence it is referred to as mid-drive system, and it houses the motor, electronic controller and sensors.

Three sensors measure pedalling power, cadence, and speed more than 1000 times per second. This enables the rider and the eBike to interact with each other organically.

The drive unit of the Bosch eBike system is available in the Performance CX, Performance Speed and Cruise variants and as Active Cruise.

POWER PACK

– the energy source.
(available in 300, 400 or 500 Wh)

The battery offers simple handling, high energy density, exceptional mileage, low weight and long service life. Both frame and rack batteries are easy to remove for recharging at home. The Power Packs can also be conveniently charged directly on the bike.

Modern Bosch lithium-ion batteries do not suffer from memory effect or self-discharge issues. The battery

will charge to 50% in about 2 hours, depending on the charger and Power Pack.

The Battery Management System offers maximum protection against overcharging, undervoltage, overheating and short circuits as well as extending the service life of the Power Pack.

INTUVIA

– the board computer.

Intuvia guarantees easy and intuitive control of your eBike. The viewing area remains clearly visible under all lighting conditions, even in bright sun. The separate control allows you to keep your hands safely on the handlebar and you are guaranteed a clear view of all riding data at all times.

All tour data can be retrieved and viewed even when the device is not mounted on the bike.

Plus, Intuvia can charge your smartphone or similar device via the micro-USB port while you are on the move.

ACTIVE LINE

The Active Line is perfect for anyone who leads an active, mobile lifestyle. The harmoniously agile power delivery of the drive guarantees a safe, reliable riding experience. An intelligent sensor concept provides the perfect amount of support at all times.

The three-sensor concept for the drive unit takes more than 1,000 measurements per second to provide outstanding support and ensures a harmonious power delivery.

PowerPacks for the Active Line are available with 500, 400 and 300 Watt hours as frame or rack batteries.

The gear shift detection function of the Active Line preserves the components and ensures an easy, fluid shifting action.

250 Watts / Support Ratio:

Eco: 40% Tour: 100% Sport: 150% Turbo: 260%

PERFORMANCE LINE

The sporty Performance Line drive is the perfect choice for ambitious riders; whether trekking, all-mountain riding or commuting. Benefit from a finely balanced system that delivers maximum performance

for a sporty riding style. The powerful drive delivers the right amount of power at exactly the right moment. In a nutshell: The bike provides outstanding support in every situation to guarantee even more fun in the saddle.

Three sensors measure torque, speed and acceleration more than 1,000 times per second, ensuring perfect interaction between rider and eBike. The rider gets full support as soon as they set off.

The Drive Unit's small size means that it weighs less, features a shorter pedal distance, and is more ergonomic.

250 Watts / Support Ratio:

Eco: 50% Tour: 120% Sport: 190% Turbo: 275%

PERFORMANCE LINE CX

The Performance Line CX is the ideal drive for ambitious sports enthusiasts and demanding eBikers; one step on the pedal and the power kicks in. Benefit from a noticeable boost in performance and sustained power into the high cadence range for sporty acceleration, even when riding over alpine terrain.

E-mountain bike mode – for powerful uphill starts on rough terrain: The improved start-up behaviour guarantees optimal support in all terrains and on any trail. The typical Bosch dynamic power control always gives the rider the right degree of support (50-300%) when traveling over steep terrain.

The Gear Change Control guarantees direct, sporty gear changes and protects the chain and cassette. The powder coating, rock protection cover and splash water protection prevent the drive unit from sustaining damage.

250 Watts / Support Ratio:

Eco: 50% Tour: 210% Sport: 210% Turbo: 300%

SHIMANO STEPS

The intelligent, silent and easy-to-use e-bike system.

A system with components that cater to everybody's needs and delivers ultimate performance and reliability. That's the heart of the matter. With SHIMANO STEPS you'll push boundaries and feel energized while doing it.

Whether easing past traffic to get to work or school, enjoying a healthy outing or doing errands, SHIMANO STEPS will get you there relaxed and refreshed.

palette of products – whether they be full suspension, mountain, trekking, city or touring bikes.

DRIVE UNIT

The heart of the matter – a lightweight, compact smooth and silent drive unit

- Weighs just 7lbs – one of the lightest units on the market
- Intelligent power assistance gives an easy, natural feeling
- Walk Assist Mode for extra support while walking next to the bike
- With Start Mode (Di2 only), the e-bike automatically shifts down to a lower gear as you stop, ready for an easy start

Drive Modes & Support Ratio:

Eco: 70% | Normal: 150% | High: 230%

BATTERY

High-quality, long-lasting lithium-ion battery pack

- Battery 36V/14 Ah (504 Wh) / 36V/11.6 Ah (418 Wh)
- Available for rear carrier (2,550 g) or down tube mounting (2,660 g)
- BT-E6000 and BT-E6010
- Rear carrier and down-tube mounted (418 Wh and 504 Wh)
- Battery life: 1,000 cycles

CYCLING COMPUTER & SWITCH

Simple control thanks to ergonomic design and intuitive layout

- Compact designed cycling computer
- Easy-to-read high-contrast display
- Standard bike computer functions
- Gear / Range / Battery indication
- Multiple mounting options
- Power and light on/off
- Comfortable switching
- Robust design and intuitive layout
- Switch unit for power assistance and optional as an additional switch to operate Di2 gears (automatic shifting)
- Activation of Walk-Assist, lights and fully automatic shifting

SPECIALIZED TURBO

Specialized took the unusual step of developing its own e-bike battery and worked closely with motor manufacturer BROSE to produce a custom motor. The result is a totally integrated frame, motor, and battery that you won't be able to buy from anyone else.

The battery is built into the downtube which gives the bike a very clean and sleek look. The Brose-derived 250w motor feeds from the bottom bracket area where it forms an integral part of the bike's chassis.

Three different battery options are offered, the maximum one offering a range of 75km (47 miles), though this estimate is based upon a rider using the medium assist or Sport setting. Accessed through an Android or Apple phone, the Specialized Mission Control app is able to customize the level of assistance offered for all three of the bike's assistance settings, those being: **Eco, Sport and Turbo**. A switch at the left hand side of the handlebar lets you cycle through the available assistance levels.

BionX

e-bike systems make it easy for you to turn nearly any bicycle into a powerful and efficient electric bike.

BionX e-bike technology is intuitive and easy-to-use. By adding a few more kilograms to your bicycle, the BionX system works seamlessly with you as you pedal. The control processor continuously analyzes your torque input and feeds that information to the motor, which applies electric assist in proportion to how hard you are pedalling. The harder you pedal, the more torque the system senses, and the more electric assist you get.

BionX systems can be applied to many different kinds of bikes and trikes – from a standard hybrid or mountain bike to handcycles and cargo bikes. If the frame has a 135mm rear hub spacing, and enough room for a battery, it most likely will fit a BionX system.

Being a local BionX retailer and certified service provider, at Oak Bay Bikes we will be able to inspect your bike to determine whether a BionX system can be safely installed.



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