

WHAT IS AN E-BIKE?



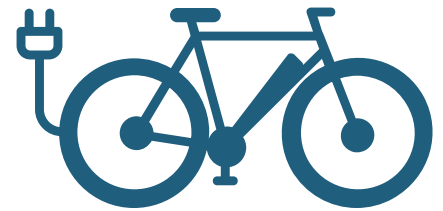
AN E-BIKE IS A BIKE WITH AN INTEGRATED MOTOR OFFERING SOME ASSISTANCE TO THE RIDER.

Forms of assistance come from hub assistance or pedal assistance (pedalec). The power assistance is relative to the amount of power the rider is putting into the pedals.

Regulations in Australia limit the power output to 200w, and a speed limit of 25kph. If the e-bike exceeds these regulations it is considered a motor vehicle and is therefore regulated by standard road rules.

HOW LONG DO THE BATTERIES LAST?

Most e-bikes will have one battery; however, it is possible to run them with two. Modern e-bike manufacturers will use the same lithium-ion style batteries found in laptops and cordless power tools. To charge it you simply plug the bike into a household power point and, depending on the battery, it will take anywhere between 3-5 hours to fully recharge. Most e-bikes will get between 30 – 100km out of one full charge, but the specific kilometres a rider gets out of a charge depends on a few variables such as bike weight, rider weight and terrain.



WHY DO I NEED AN E-BIKE?

THEY MAKE PEDALING EASIER.

- Some bikes have a throttle (Power on demand)
- Pedal assist. When you push on the pedals a small motor engages and gives you a boost. You can control the speed of the bike with your feet like a conventional bike.

THEY CAN MAKE YOU GO FASTER.

- The harder you pedal, the faster you go
- Max propelled speed of between 20-25 km/h
- Power switches allow you to adjust the 'boost' settings



HOW MUCH DO I NEED TO SPEND?

YOU GET WHAT YOU PAY FOR!

- \$500-\$1000 WILL GET YOU A SIMPLE BIKE
 - Fortis 700C 36V 10Ah Hybrid Commuter Electric Mountain Bike \$799
- \$2000-\$3000 ALLOWS YOU TO CHOSE FROM A LARGE SELECTION OF RELIABLE BIKES
 - 2020 Dyson Bondi Electric Bike \$1999
 - Focus Whistler2 6.9 2020
- \$5000 + WILL MAKE YOU THE ENVY OF THE TOWN!
 - Tern GSD S10 Folding Utility Bike 2019 \$6995
 - Santa Cruz HECKLER CC 27.5 GX Medium Yellow 2020 \$14,998

SUMMARY

If you find it difficult to get motivated or you need assistance moving around your neighbourhood, an e-bike is an excellent option. For those that want to commute but don't want to get too sweaty, an e-bike is perfect. For businesses, this is a great way to promote sustainability via alternate modes of transport and give your employees a health boost. If you want to know more about e-bikes or you want to book a test ride, email us at bqinfo@bq.org.au

