RALEIGH



ELECTRIC BIKES: A BUYER'S GUIDE


RALEIGH

FIND YOUR ELECTRIC SMILE

At Raleigh we have a phrase that's called the Electric smile; it's the expression of happiness on just about everyone's face the first time they ride an E-bike. It sums up what E-bikes are all about – being fun, safe and easy to use.

Think about all of the best bits of cycling; independence, convenience, healthy exercise, being good for the environment, and most of all fun! Forget about the bad bits; the hills and the hard work, an E-bike overcomes these issues and makes riding a pleasure.

Raleigh has been pioneering the development of E-Bikes from their first introduction. We have huge experience of the various systems on the market. Combine that with over a century's knowledge in designing bikes for the UK, and we believe we have the best ever electric bike offering around.

Our bikes are a considered range developed with the UK environment in mind and integrating seamlessly into our standard Raleigh bike ranges - because we know you'll be using them for the same things. So whether you're looking to get about town with in style on a Spirit Electric, or take a short cut along a bridle path on the Strada Trail Sport Electric, we have the bike for you.

As part of the Accell group, we have access to the expertise of Europe's largest E-bike manufacturer and are able to partner with our sister companies in the research and development of new technologies resulting in exciting new bikes such as the Array.

You also have the added assurance that Raleigh will support you after you've made your purchase. We have trained our dealer network in all the systems we use so that you can get you back on the road in the blink of an eye. We're so confident in the quality of our products that we also offer a lifetime warranty on our frames.

Discover your electric smile today – visit your local electric bike dealer for a test-ride.


RALEIGH

WHY AN E-BIKE?

Cycling isn't always easy. By its very nature the bicycle can be a worrying prospect to most ordinary people; it requires fitness, commitment and motivation. Let's face it, 99% of us are not competitive athletes looking to score a record time or suffer a mountainous climb, we're just looking to enjoy a bicycle ride or get from A to B without a fuss.

What if you could jump on a bicycle after a long time 'out of the saddle' and ride like every path or trail was a down-hill? What if we could take away that fear of failure? That's precisely what the modern E-bike can do. We can guarantee the first time you try one of our E-bikes will be a revelation.

What it is:
An E-bike or Pedelec is an electrically assisted bicycle; you pedal and the motor adds power - it's that simple.

What it's not:
A motorbike! It won't go flying off at uncontrollable speeds, it won't guzzle fuel like there's no tomorrow and it certainly won't require you to pay any extra tax, license fees or insurance.

Who is it for?
Every single person who buys an E-bike has a completely different and personal reason for doing so. When someone decides to get fit, leave the car at home or take up cycling as a hobby it's a very particular change in mind set. What a Raleigh E-bike does is open up that choice to virtually everyone. Cycling is now easy, fun & attractive to the 95% who shudder at the thought of struggling into a headwind or keeling over at the top of a hill on their first ride out.

Explore
E-Bikes take you further. For the regular cyclist going the 'alternative route' is always a risk, for the E-biker it's a temptation that's hard to ignore!

Relax
Don't fancy breaking a sweat? You don't have too. Struggling to keep up with traffic or setting off from the lights? Forget all of that, how does 15.5mph sound? Raleigh Electric bikes are life changing.

Just ask one of our countless customers if they could go back to riding a regular bike; they'll be smiling as they zip off over the horizon.

Frequently Asked Questions:

- **Do I have to pedal?** Our bikes are pedal-assist, meaning that power is added as the pedals are turned. A sensor picks up how much pressure you are putting in and distributes power accordingly. So you won't be getting numb hands from holding a throttle open, or struggling to temper your speed in tricky manoeuvres; our bikes deliver a natural riding feel and much greater hill climbing ability.

- **What happens when I stop pedalling?** E-bikes are still normal bicycles, so when you stop pedalling the power assist stops, and you'll freewheel like a conventional bike. Much safer than a throttle controlled bike!

- **Can I go faster than the 15mph legal limit?** The legal limit is the point at which the power stops assisting you, so basically, yes! You can go as fast as you can pedal the bike just will not provide any further assistance beyond 15mph.

- **Do I need a licence?** No. All of our e-bikes are classed as standard bicycles so no licence/insurance/MOT requirements whatsoever!

- **How long does it take to re-charge the battery?** This will vary depending on the battery type and size, but average charge times are in the region of 4 hours.

- **Do I have to run the battery flat before I can recharge it again?** No. All our e-bikes use lithium battery technology, which means that you can 'top up' your battery at any point.
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- **Can I use the bike in the rain?** Yes! Our E-bikes are designed to be used in all weathers.

- **Can I jet-wash my bike?** No. You should never jet-wash any bike as it forces water into the bearings causing premature wear on the mechanical parts.

- **Can I carry load and tow a trailer?** Yes. Some of our bikes already come equipped with panniers for load carrying and most trailer systems work well with them.



epowered by

BOSCH

E-Bikes inspire and drive mobility and are one of the most agile, comfortable and simply clever means of transportation of our time. Cutting edge components and the high degree of design flexibility offered by Bosch E-bike Systems form the foundation for our Motus and Captus models.

The powerful Bosch Drive Unit transforms any pedelec into a clever everyday companion. Wherever you're heading, an Active Line equipped Raleigh will get you there fast, calm and collected.

The Active Line motor gives just the right level of support with every push of the pedals whether that is for relaxed everyday use or more power for those times when you really need a boost. Its optimized 3-sensor concept performs 1000 highly precise measurements per second, affording optimum power tuning and a unique riding sensation. The Active Line Power Packs ensure the most powerful performance, thanks to their high energy density and long life.

The Intuvia on-board computer serves as the command centre allowing you to switch between four different riding modes; Eco, Tour, Sport & Turbo, as well as displaying information like speed, battery level, distance travelled and approximate range available.

The handy 'walk' button delivers a 'walking speed' power output from the motor for those occasions where you need to push your bicycle up some steps or a short slope. An optimal balance of powered assistance is ensured by three sensors that monitor pedalling power, cadence and speed at a rate of 1000 measurements per second.

Precise motor control and rapid processing of sensor information ensures very low levels of noise and vibration. Reliable, stable chain run prevents chain derailments, and reduces wear. The Bosch system is even clever enough to recognise your gear shifts, and in a split second, reduce power preventing damage to the chain and sprockets.

Bosch is the market leader in E-bike drive system technology – a brand trusted globally for its engineering quality.



SHIMANO STEPS







Shimano are the world's leading supplier of bicycle components; there are more bikes fitted with Shimano controls than any other brand. Shimano have taken their knowledge of cycling, gained from years of experience, and applied it to produce one of the most innovative E-bike systems available.

The key to the Shimano STEPS system is the integration of the gears, motor and controller to produce a quiet, powerful and efficient riding experience.

For our Shimano STEPS equipped Raleigh E-bikes, we have combined the STEPS motor with Shimano's Alfine Di2 electronic hub gear, allowing you to change the gear using buttons rather than levers for a fast, smooth and precise shift that doesn't require readjustment.

This system also gives you the choice to set the bike to automatic shift. Based on bicycle speed and how fast you're pedalling the Shimano STEPS system will automatically tell the Di2 hub what gear to shift into. So while you pedal, the drive unit brainstorms and, if necessary, temporarily reduces chain tension so the hub can change to the right gear.

In plain English, this means a smoother riding experience because you won't have to worry about whether or not you're in the right gear. You'll realise right away how great automatic shifting is if you're not a regular rider or if you need to come to an abrupt halt. The Shimano STEPS system will automatically shift down to a lower gear as you stop at traffic lights for example, then give you that extra surge when the lights go green for an easy start.

The motor and control system is the heart of any E-bike, and with Shimano's intuitive, quiet and lightweight STEPS system, you'll push boundaries and feel energised while doing it.

E-motion

Raleigh has worked with Accell Netherlands, Europe's largest manufacturer of E-bikes, to develop the E-motion front motor system for the Array models.

This is the best riding front motor system we have ever experienced at this price point. The custom software provides an even delivery of power meaning that the bike pulls away smoothly and without the jerky surge of rival systems.

With 5 power levels plus the boost function on a twist grip you can manage the assistance that the motor gives you to maximise the range of the battery or make the ride as easy as you want it to be. The 300wh battery gives a range of up to 108km on the lowest setting or 22km on high.

This makes it ideally suited to quick commutes and trips around town or rides with the family. The D-light motor is so small and quiet you'll hardly notice it's there until you realise how far you've gone with so little effort.





TranzX





Based in Taiwan, TranzX are at the forefront of development, creating smart solutions for E-bikes. Early adopters of E-bike technology, they manufacture their complete system in-house to ensure quality and consistency. Many leading E-bike manufacturers use TranzX systems as they offer reliable performance at an affordable price.

At Raleigh, we use the two newest systems from TranzX; the front wheel F15 motor and mid M16 motor models. Both systems benefit from new communications technology, which ensures that the motor maximises the battery range, and will allow your dealer to set the bike up for you via a USB link.

Handle-mounted power controls are placed cose to the grips, so you can easily select from the three power levels, and use the speed button to give you an extra boost for hills or when you're late for work!

The F15 motor featured on the Raleigh Spirit and Pioneer models is a powerful, geared front wheel motor. This provides the bikes with great hill climbing assistance, and allows you to quickly pull away at junctions or traffic lights. Adopting the latest gear design allows the motor to be kept relatively small and quiet compared to other front wheel motor systems. The simple LED display indicates the level of power you are using and the remaining battery charge.

For the Raleigh Strada Trail Sport Electric, we use the TranzX M16 motor, as it is ideally suited to the type of riding this bike is designed for. In this instance the motor is directly connected to the cranks providing a smooth and exceptionally efficient transfer of power which is added to your pedal stroke. When combined with the Strada's 9 speed Shimano Deore gears, the M16 motor gives you the ability to easily climb steep hills on trails and the road, as well as speeding along on the flat. The M16 system features an LCD display that shows your speed, range and the power level you are using.

TranzX inspires the modern E-bike experience with intelligent solutions felt in every push of the pedal.


RALEIGH

CHOOSING THE RIGHT BIKE

Raleigh have a wide range of E-bikes suitable for all sorts of journeys and riding conditions.
Use the table below to identify the characteristics of your riding and which bikes are suitable for you.

E-Bike	Motus cross bar derailleur	Motus low step derailleur	Motus low step hub	Captus cross bar derailleur	Captus low step derailleur	Captus low step hub	Pioneer cross bar	Pioneer low step	Array cross bar	Array low step	Spirit	Strada Electric	Strada Trail Sport Electric
Price	£2,000	£2,000	£2,000	£1,700	£1,700	£1,700	£1,400	£1,400	£1,000	£1,000	£1,550	£2,000	£1,550
Do you want an easy to get onto low step bike?		✓	✓		✓	✓		✓		✓	✓		
Do you want a more upright riding position?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Do you ride mostly on cycle paths and roads?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Does your ride include lots of tow paths and tracks?	✓	✓	✓	✓	✓	✓						✓	✓
Does your ride take you onto rough tracks and bridleways?	✓	✓		✓	✓								✓
Do you usually ride for less than 25km/16 miles?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Do you ride for 25km to 50km/16 to 32miles?	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Do you ride for more than 50km/32miles?	✓	✓	✓									✓	
Is your ride mainly flat?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Do your rides have many hills?	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Do your rides have lots of steep hills?	✓	✓	✓	✓	✓	✓						✓	✓
Do you want a bike that has a lower maintence hub gear?			✓			✓					✓	✓	
Do you want a bike that has wider range of gears?	✓	✓		✓	✓		✓	✓	✓	✓			✓





LEISURE E-BIKES

Where form meets function.

The Raleigh leisure range is designed to be ridden in nonbike- specific attire, complete with practical touches such as a chainguard, full-length mudguards and a rear rack for luggage. The Leisure range is the go to range for the style-conscious urban rider.

Form meets function in perfect harmony; newly developed alloy frames make the bikes lightweight and agile whilst remaining assured along tow paths and gravel roads. These bikes really are comfortable enough to ride all day.

We have paid extra attention to the finer details of the leisure range with features like the map of Nottingham, our city of origin, cleverly laid into the mudguards and frame decal of the Centros and the elegant pin stripe which runs down the centre of the mudguards on the Pioneer. These details will have people admiring your bike up close.

Every aspect of the leisure range has been carefully thought out to ensure that function is not outweighed by style, everything has a purpose. All of this has been combined to guarantee that our leisure bicycles offer the ride and performance you have come to expect from any Raleigh bicycle.

This range pulls from over 125 years' experience of making high quality bicycle that last a lifetime and that you can be proud to ride around town.

Array





- 22 to 108km range • Smooth riding E-Motion system
- Low step easy to mount frame • Shimano 7 speed gears

ARRAY





The Raleigh Array takes a beautifully styled alloy frame and combines it with the excellent E-Motion system that will assist you with inclines providing a smooth and controlled push. There are five different modes that are easily selected with a push of a button on the handlebar to offer you various levels of assistance, this also includes a 'walk mode' that gives slight assistance when you are walking alongside the bike.

The front wheel motor is coupled with a reliable 7 speed Shimano derailleur that gives a great range of gears whilst keeping maintenance low. The 400wh battery will take you up to 108km* on a single charge and can be removed so you can take it into the house to charge it for your next ride.

This bike comes equipped with full length mudguards, front and rear lights and an alloy rear carrier so you can ride all year round, day or night with your fully loaded pannier bags if you wish.

So who is the Array for? Well the answer is, everybody. The Array comes in two low step colour options and a cross bar version and is one of the most inclusive bikes on the market. It can be used to commute to work, getting out and about on the weekend with family or just for leisurely rides around town. All of this with an extra bit of assistance along the way.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.

Also available in Navy



£1000 / €1350

Array





- 22 to 108km range • Smooth riding E-Motion system
- Comfortable riding position • Shimano 7 speed gears

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£1000 / €1350

PIONEER





• 50 to 75km range • Powerful TranzX F16 motor
• Colour matched accessories • Shimano 8 speed gears

PIONEER





The Pioneer has been a staple in the Raleigh range for many years and continues to be a favourite. So we have taken the same great foundation and integrated it with a TranzX electric motor system to make the Pioneer range more accessible to anyone looking to take to a bike.

With a slightly more advanced motor system than the Array, the efficient TranzX motor system will give the same great assistance as the E-motion system but with greater assistance on more undulating terrain. The 400wh battery will take you up to 75km* on a single charge, and is easily removed to charge when needed. The TranzX system has 4 different levels of assistance that can be changed whilst riding with a simple push of a button, these modes range from an eco mode that will give you a small push right up to level 4 that is ideal for riding up steeper inclines with ease.

If you are looking for a bit more assistance then relax and shift your way through the smooth Shimano 8 speed gear system that can be changed with a twist of the wrist. The bike rides on strong double wall rims that are shod with puncture resistant CST tyres which help to prevent punctures, while the alloy frame keeps the ride light and smooth.

Available in both gents and ladies options the Pioneer is a sophisticated traveller with the attention to detail of a fine sports car.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.

Low step version also available



£1400 / €1800

CAPTUS





• 35 to 140km range • Bosch centre mount motor
• Suntour suspension forks • Easy to use Shimano 9 speed gears

CAPTUS





British design meets German precision; this is the basis of the Raleigh Captus. We have had the Captus in the range for two years now and it continues to be loved by all who ride it. With two colour options in a low step version or a cross bar alloy frame, there is something to suit every rider.

The Captus gets a few extra features over the Pioneer including the introduction of a front suspension fork which helps to reduces the impact of bumps in the road and makes the ride that little bit smoother. The most significant difference of the Captus is the Bosch Active Line centre mount motor system. This system encapsulates German precision and reliability and delivers them in a beautifully efficient system that will easily carry you up hills and across towns for up to 140km*.

There are two gear options available in the Captus range, we have the 9 speed Shimano derailleur version and a super clean 7 speed Nexus internal hub gear option. The Nexus system packs all the gearing into the rear hub keeping it clean from dust and dirt, reducing maintenance and helping to make the bike look even sleeker.

If you are looking for a reliable and efficient electric bike or live in a hilly area then the Captus is the perfect solution.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.

Also available in Black



£1700 / €2300

CAPTUS





• 35 to 140km range • Bosch centre mount motor
• Suntour suspension forks • Easy to use Shimano 9 speed gears

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£1700 / €2300

MOTUS





• 45 to 180km range • Bosch centre mount motor
• Suntour suspension forks • SRAM Via Centro 10 speed gears

MOTUS





The Motus adopts the same frame and Bosch motor system as the Captus but with an upgraded 400wh battery which will provide an extra 40km from a single charge, meaning that for some riders it could carry them to and from work for whole week before needing charging.

There are also two gear options on the Motus, with a 10 speed SRAM Via Centro derailleur system or 7 speed Nexus hub version available. The SRAM option is a great if you live in a hilly area as it offers a wider range of gears that go up in small increments, this coupled with the powerful Bosch motor will allow you to climb the most daunting hills so you can continue to enjoy the ride.

The Raleigh Motus comes fully equipped with high quality lights, full mudguards, a clever rear wheel lock and can be charged from flat in approximately 3.5 hours meaning you can be back on your bike as quickly as possible.

If you're looking for a high quality bike that has the power to let you explore even the most demanding terrain without breaking a sweat then the Motus is the bike for you.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.

Also available in Bronze



£2000 / €2600

MOTUS





• 45 to 180km range • Bosch centre mount motor
• Suntour suspension forks • SRAM Via Centro 10 speed gears

MOTUS





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*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.



£2000/ €2600

Spirit





• 50 to 75km range • Powerful TranzX F16 motor
• Stylish classic frame • Easy to use Nexus 7 speed hub gears

Spirit Electric

The Raleigh Spirit Electric is the perfect mix of style and substance. It takes the frame styling of traditional low step cycles and combines it with an elegant front wheel motor that will breeze you around town with the lightest of pedal strokes so you can just enjoy the ride.

Gearing is taken care of by the smooth Shimano Nexus 7 speed internal hub which paired with the TranzX motor, will take you up hills and around town with ease. The bike is finished off with fine details like the Raleigh heron cut into the chainwheel and a high quality light set.

The Spirit Electric is perfect if you are looking to get out and about around town and want a bike that you can carry your shopping home on easily.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.







£1550 / €2000

STRADA

TRAIL
SPORT
ELECTRIC

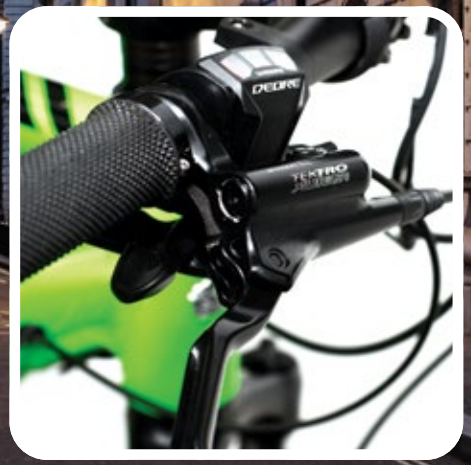




- 50 to 75km range • Powefrul TranzX centre mount motor
- Suntour Suspension forks • Shimano hydraulic disc brakes

STRADA TRAIL SPORT ELECTRIC





And now for something completely different! The Strada Trail Sport Electric is unlike any other E-bike on the market. It is sleek yet robust enough to be ridden down even the bumpiest canal path or gravel road thanks to its strong Suntour fork and lightweight alloy frame.

The Strada TS Electric is fitted with a brand new TranzX M16 centre mount motor, which offers excellent climbing power coupled with a smooth and progressive assistance to give you a helping hand along the road or towpaths and will carry you up to 75km* on a single charge.

The motor is matched with a high quality Shimano Deore 9 speed gear set and hydraulic disc brakes that have harnessed their craft on the rough mountain bike circuit, so you can be confident they can take a bit of punishment.

The Strada Trail Sport Electric is ideal for anyone that is looking to travel across different terrains on their commute to work or weekend ride.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.



£1550 / €2000

STRADA ELECTRIC





- 40 to 125km range • Shimano STEPS system
- Carbon Fork • Electronic Di 2 Alfine gears with auto mode

STRADA ELECTRIC





Stylish, sleek and built for the city; these are a few of the demands that were put to our product designers when they started designing the Strada Electric and that is exactly what they have delivered.

The Strada Electric is a new take on electric bikes in the UK market, it takes urban commuter bike credentials and opens them up to anyone looking to get on a bike. The Strada is equipped with the fantastic Shimano Steps motor system, this system is quicker off the mark that some of the other systems in our range which is great for getting away from the lights or conquering hills quickly.

The system also features automatic shifting that changes gear for you as you ride, to make sure you are always in the right gear. Don't worry, you can also change gear manually using the buttons on the handlebars.

The stylish alloy frame, fork and centre mount motor make the bike agile and balance so you can ride confidently through traffic. Like all our E-bikes the Strada is not just an bike, it is also a real option as sustainable method transport that anyone can use.

*Range figure is an average and is dependent on terrain, weather conditions and level of assistance selected.





£2000 / €2600



Specifications:

E-bike	Array Cross Bar	Array Low Step	Pioneer Electric Cross Bar	Pioneer Electric Low Step 26"	Pioneer Electric Low Step 700c	Spirit Electric	Captus Crossbar	Captus Low Step	Captus Hub Low Step 26"	Motus Cross Bar	Motus Hub Low Step 26"	Motus Hub Low Step	Motus Low Step	Strada Trail Sport Electric	Strada Electric
Colour	Black	1. Denim 2. Navy	Gunmetal	Lilac	Lilac	Mushroom & Red	Silver	1. Black 2.Teal	Teal	Silver	1.Black/Bronze 2.Cerise/Silver	1.Black/Bronze 2.Cerise/Silver	1.Black/Bronze 2.Cerise/Silver	LED Green	Graphite
Size	Medium	Medium	MD & LG	SM	MD	MD	48cm	46cm	46cm	48cm	46cm	46cm	46cm	MD, LG	SM, MD, LG
Wheel Size	700c	700c	700c	26 inch Wheel	700c	700c	700c	700c	700c	700c	26 inch Wheel	700c	700c	700c	700c
Motor	E Motion 36v 250w Motor	E Motion 36v 250w Motor	New TranzX F15 36v 250w brushless Quick stop motor	New TranzX F15 36v 250w brushless Quick stop motor	New TranzX F15 36v 250w brushless Quick stop motor	New TranzX F15 36v 250w brushless Quick stop motor	Bosch Active Line	Bosch Active Line	Bosch Active Line	Bosch Active Line	Bosch Active Line	Bosch Active Line	Bosch Active Line	New TranzX M16 36v 250w centre mount motor	Shimano Steps E6000
Motor Torque	30NM	30NM	30NM	45NM	45NM	45NM	50NM	50NM	50NM	50NM	50NM	50NM	50NM	55NM	50NM
Battery	E Motion 300Wh, 36V	E Motion 300Wh, 36V	TranzX 400wh 36V 11Ah Battery	TranzX 400wh 36V 11Ah Battery	TranzX 400wh 36V 11Ah Battery	TranzX 400wh 36V 11Ah Battery	Bosch 300wh 36V	Bosch 300wh 36V	Bosch 300wh 36V	Bosch Power Pack 400Wh, 36V	Bosch Power Pack 400Wh, 36V	Bosch Power Pack 400Wh, 36V	Bosch Power Pack 400Wh, 36V	TranzX 400wh 36V 11Ah BL 19 Battery	Shimano E600 downtube battery 400wh 36V
Display	E Motion Display, 5 assist levels & walk function	E Motion Display, 5 assist levels & walk function	TranzX DP15 PST Display, 4 assist levels with walk function	TranzX DP15 PST Display, 4 assist levels with walk function	TranzX DP15 PST Display, 4 assist levels with walk function	TranzX DP15 PST Display, 4 assist levels with walk function	Bosch Intuvia	Bosch Intuvia	Bosch Intuvia	Bosch Intuvia	Bosch Intuvia	Bosch Intuvia	Bosch Intuvia	TranzX DP16 PST LCD Display, 4 assist levels with walk function	Shimano SC-E612 3 assist levels and walk function
Charge time	4 hours to full charge from flat	4 hours to full charge from flat	6-8 hours to full charge from flat	6-8 hours to full charge from flat	6-8 hours to full charge from flat	6-8 hours to full charge from flat	3 hours to full charge from flat	3 hours to full charge from flat	3 hours to full charge from flat	4 hours to full charge from flat	4 hours to full charge from flat	4 hours to full charge from flat	4 hours to full charge from flat	6-8 hours to full charge from flat	4 hours to full charge from flat
Range	22 to 108km	22 to 108km	22 to 108km	50 to 75km	50 to 75km	50 to 75km	35 to 140km	35 to 140km	35 to 140km	45 to 180km	45 to 180km	45 to 180km	45 to 180km	50 to 75km	40 to 125km
Frame	Aluminium 6061	Aluminium 6061	Aluminium 6061	Aluminium 6061	Aluminium 6061	Aluminium 6061	Alloy Lowstep frame AL6061	Alloy Lowstep frame AL6061	Alloy Lowstep frame AL6061	Alloy Crossbar frame AL6061	Alloy low step frame AL6061	Alloy low step frame AL6061	Alloy low step frame AL6061	Aluminium 6061	Aluminium 6061
Fork	Raleigh E bike trekking fork	Raleigh E bike trekking fork	Raleigh Steel trekking fork for E bike	Raleigh Steel trekking fork for E bike	Raleigh Steel trekking fork for E bike	Raleigh Steel trekking fork for E bike	Suntour Nex suspension fork 63mm travel	Suntour Nex suspension fork 63mm travel	Suntour Nex suspension fork 63mm travel	Suntour Nex suspension fork 63mm travel	Suntour Nex suspension fork 63mm travel	Suntour Nex suspension fork 63mm travel	Suntour Nex suspension fork 63mm travel	Suntour SF14 MT E45 Suspension fork 63mm travel	Carbon blades with alloy steerer and post mount
Shift Levers	Shimano Revoshift 7 Speed	Shimano Revoshift 7 Speed	Shimano Revoshift 8 Speed	Shimano Revoshift 8 Speed	Shimano Revoshift 8 Speed	Shimano Nexus 7-speed twist shift	Altus 9 speed shifter with display	Altus 9 speed shifter with display	Nexus 7 Speed revo	SRAM Via Centro 10 speed	Nexus 7 Speed	Nexus 7 Speed	SRAM Via Centro 10 speed	Shimano Deore 9 speed trigger shift	Shimano Alfine Di2 8 speed
Brake Levers	Raleigh V-Brake	Raleigh V-Brake	Alloy V-brake with cut off quick stop function.	Alloy V-brake with cut off quick stop function.	Alloy V-brake with cut off quick stop function.	Alloy V-brake with cut off quick stop function.	Raleigh V-Brake	Raleigh V-Brake	Raleigh V-Brake	Magura HS-11 Hydraulic	Magura HS-11 Hydraulic	Magura HS-11 Hydraulic	Magura HS-11 Hydraulic	Tektro HD-M290 hydraulic disc brakes	Shimano M455 hydraulic disc brakes
Rear Derailleur	Acera 7 speed	Acera 7 speed	Altus 8 Speed	Altus 8 Speed	Altus 8 Speed	Shimano Nexus 7-speed	Altus 9 Speed	Altus 9 Speed	Nexus 7 Speed hub	SRAM Via Centro 10 speed	Shimano Nexus 7 speed hub	Shimano Nexus 7 speed hub	SRAM Via Centro 10 speed	Shimano Deore 9 speed	Alfine 8 speed Di2 hub gear
Brakes	V-Brake	V-Brake	V-Brake	V-Brake	V-Brake	V-Brake	Raleigh V-Brake	Raleigh V-Brake	Raleigh V-Brake	Magura HS-11 hydraulic disc brake	Magura HS-11p hydraulic disc brake	Magura HS-11 hydraulic disc brake	Magura HS-11 hydraulic disc brake	160mm Tektro hydraulic disc brake	160mm Shimano M445 hydraulic disc brake
Crankset	Alloy forged 170mm, 38t	Alloy forged 170mm, 38t	Alloy forged 170mm, 42t	Alloy forged 170mm, 42t	Alloy forged 170mm, 42t	Alloy forged 170mm, 42t	Raleigh for Bosch	Raleigh for Bosch	Raleigh for Bosch	Raleigh for Bosch	Raleigh for Bosch	Raleigh for Bosch	Raleigh for Bosch	Alloy forged 170mm, 42t	Shimano FC-E 6000, 38t
Freewheel/ Cassette	Shimano 7 speed 12-32 cassette	Shimano 8 speed 11-32 cassette	Shimano 8 speed 11-32 cassette	Shimano 8 speed 11-32 cassette	Shimano 8 speed 11-32 cassette	Nexus 7 Speed hub gear	Sram 9 Speed 11-34 cassette	Sram 9 Speed 11-34 cassette	Nexus 7 Speed hub gear	SRAM 10 speed	Nexus 7 Speed Hub	Nexus 7 Speed Hub	SRAM 10 speed	9 speed 11-32 cassette	Alfine CS500 18t
Chain	KMC Z51 7 speed	KMC Z51 7 speed	KMC 8 Speed	KMC 8 Speed Chain	KMC 8 Speed	KMC Single speed	KMC 9 speed	KMC 9 speed	KMC Single Speed	KMC 10 speed	KMC single speed	KMC single speed	KMC 10 speed	KMC 9 Speed Chain	Shimano CN- E6070
Pedals	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Comfort Pedals with Anti Slip	Alloy Pedal with Rubber non slip insert	Alloy Pedal with Rubber non slip insert	Alloy Pedal with Rubber non slip insert	Alloy Pedal with Rubber non slip insert	Alloy pedals	Alloy pedals
Front Hub	E Motion Motor Hub	E Motion Motor Hub	TranzX Motor hub	TranzX Motor hub	TranzX Motor hub	TranzX Motor hub	RSP alloy	RSP alloy	RSP alloy	Shimano Dynamo	Shimano Dynamo	Shimano Dynamo	Shimano Dynamo	RSP alloy disc 6 bolt	Shimano HB-3050
Rear Hub	Raleigh 7 speed cassette hub with Raleigh Dome nuts	Raleigh 7 speed cassette hub with Raleigh Dome nuts	Alloy 8 speed cassette Hub 36 hole	Alloy 8 speed cassette Hub 36 hole	Alloy 8 speed cassette Hub 36 hole	Shimano 7 speed Nexus	RSP alloy cassette	RSP alloy cassette	RSP alloy cassette	RSP alloy cassette	RSP alloy cassette	RSP alloy cassette	RSP alloy cassette	RSP alloy disc 6 bolt	Shimano Alfine 8 speed with Di2
Rims	Double Wall rim 36 hole 700c	Double Wall rim 36 hole 700c	Double Wall rim 36 hole 700c	Double Wall rim 36 hole 26"	Double Wall rim 36 hole 700c	Double Wall rim 36 hole 700c	Rodi 36 CNC V-Brake surface	Rodi 36 CNC V-Brake surface	Rodi 36 CNC V-Brake surface	Rodi 36 CNC V-Brake surface	Rodi 36 CNC Brake surface	Rodi 36 CNC Brake surface	Rodi 36 CNC Brake surface	Impulse tubeless compatible	Weinmann XM25 Disc
Tyre	CST Zeppelin 700 x 40c with relective stripe	CST Zeppelin 700 x 40c with relective stripe	CST Zeppelin 700 x 40c with relective stripe	CST Zeppelin 700 x 40c with relective stripe	CST Zeppelin 700 x 40c with relective stripe	CST Zeppelin 700 x 40c with relective stripe	Schwalbe Energizer Life, 40-622 Reflex	Schwalbe Energizer Life, 40-622 Reflex	Schwalbe Energizer Life, 26" Reflex	Schwalbe Energizer Life, 40-622 Reflex	Schwalbe Energizer Life, 26" Reflex	Schwalbe Energizer Life, 40-622 Reflex	Schwalbe Energizer Life, 40-622 Reflex	WTB Nano 700 x 40c with reflective side wall	Schwalbe Energiser plus 700 x 40c with reflective side walls
Stem	Alloy quill stem	Alloy quill stem	Raleigh Alloy adjustable quill stem	Raleigh Alloy adjustable quill stem	Raleigh Alloy adjustable quill stem	Alloy quill stem	Quill Stem XLC Silver	Quill Stem XLC Silver	Quill Stem XLC Silver	Adjustable angle Alloy	Adjustable angle Alloy	Adjustable angle Alloy	Adjustable angle Alloy	Raleigh alloy ahead stem	RSP alloy ahead stem
Handlebars	Riser bar	Riser bar	Raleigh Comfort Handlebar Silver	Raleigh Comfort Handlebar Silver	Raleigh Comfort Handlebar Silver	Raleigh Comfort Handlebar Silver	Comfort XLC Handlebar Silver	Comfort XLC Handlebar Silver	Comfort XLC Handlebar Silver	Comfort XLC Handlebar Silver	Comfort XLC Handlebar Silver	Comfort XLC Handlebar Silver	Comfort XLC Handlebar Silver	Raleigh alloy flat bar	RSP alloy flat bar
Grips	Selle Royal soft grip	Selle Royal soft grip	Velo comfort grips	Velo comfort grips	Velo comfort grips	Selle Royal soft grip	Ergonomic Comfort Grip	Ergonomic Comfort Grip	Ergonomic Comfort Grip	Ergonomic Comfort Grip	Ergonomic Comfort Grip	Ergonomic Comfort Grip	Ergonomic Comfort Grip	Velo round grip	Raleigh dual density grip
Saddle	Selle Royal Milo + men's	Selle Royal Milo + women's	Velo men's comfort saddle	Velo women's comfort saddle	Velo women's comfort saddle	Selle Royal Milo + women's brown	Selle Bassano Volare M3 Comfort Zone Plus	Selle Bassano Volare M3 Comfort Zone Plus	Selle Bassano Volare M3 Comfort Zone Plus	Selle Bassano Volare M3 Comfort Zone Plus	Selle Bassano Volare M3 Comfort Zone Plus	Selle Bassano Volare M3 Comfort Zone Plus	Selle Bassano Volare M3 Comfort Zone Plus	Selle Royal Shadow +	Selle Royal Shadow +
Seatpost	Alloy micro adjust	Alloy micro adjust	Alloy micro adjust	Alloy micro adjust	Alloy micro adjust	Alloy micro adjust	Alloy Seatpost 27.2	Alloy Seatpost 27.2	Alloy Seatpost 27.2	Alloy Suspension Seatpost 27.2	Alloy Suspension Seatpost 27.2	Alloy Suspension Seatpost 27.2	Alloy Suspension Seatpost 27.2	Alloy micro adjust	Alloy micro adjust
Mudguards	Colour matched steel	Colour matched steel	Curana colour matched alloy composite	Curana colour matched alloy composite	Curana colour matched alloy composite	Steel colour matched	SKS Full Mudguards with Cable guide	SKS Full Mudguards with Cable guide	SKS Full Mudguards with Cable guide	SKS Full Mudguards with Cable guide	SKS Full Mudguards with Cable guide	SKS Full Mudguards with Cable guide	SKS Full Mudguards with Cable guide		
Chainguard	Horn Catena	Horn Catena	Half Chain Cover	Half Chain Cover	Half Chain Cover	Raleigh full chain cover	Bosch chain guide	Bosch chain guide	Bosch chain guide	Bosch chain guide	Bosch chain guide	Bosch chain guide	Bosch chain guide		
Rear Carrier	Alloy colour matched carrier with luggage strap	Alloy colour matched carrier with luggage strap	Alloy carrier with Luggage strap	Alloy carrier with Luggage strap	Alloy carrier with Luggage strap	Alloy carrier with Luggage strap		Alloy Rack	Alloy Rack	Alloy Rack	Alloy Rack	Alloy Rack	Alloy Rack		
Lighting	Galeo battery light front Axa Riff rear	Galeo battery light front Axa Riff rear	Front and Rear Lights Powered by TranzX system	Front and Rear Lights Powered by TranzX system	Front and Rear Lights Powered by TranzX system	Front and Rear Lights Powered by TranzX system				Trelock Front and rear dynamo lights	Trelock Front and rear dynamo lights	Trelock Front and rear dynamo lights	Trelock Front and rear dynamo lights		
Extras	Ursus Wave kick stand	Ursus Wave kick stand	Kick Stand	Kick Stand	Kick Stand	Kick Stand	Kick Stand	Mini Pump, Kick Stand	Mini Pump, Kick Stand	Mini Pump, Kick Stand	Mini Pump, Kick Stand	Mini Pump, Kick Stand	Mini Pump, Kick Stand	Kick Stand	Kick Stand

WD-40 BIKE

WD-40 BIKE is a range of care products specially designed to help you look after your bike all year round, whether your bike is a road bike, a BMX, an all-out Downhill racing machine, a high end cyclo cross bike or one of the new breed of intelligent ebikes that are available. The WD-40 BIKE range is a carefully formulated range of products designed to help minimise unnecessary wear and tear by effectively cleaning, lubing and protecting your bike.

The WD-40 BIKE range is the result of extensive research and development undertaken by working closely with cycling professionals and expert mechanics to produce a product range that delivers best in class performance for your bike. The additional inclusion of the famous blue and yellow can as part of the maintenance regime is how this range of care products sets itself apart from competitors.



Peruzzo

100% MADE IN ITALY



The Pure Instinct 2 & 3 bike tow ball racks both feature an up-rated maximum load limit of 30kg per bike. This high maximum load makes the racks perfect for carrying the extra weight of E-bikes without a worry.

Fitting the rack to your vehicle is as simple as possible; the rack can be wheeled toward you tow bar using the built in roller wheels, then the auto adjust locking clamp easily clamps to your towball with no adjustments needed. Just fold out the tyre channels and you're ready to go.

Easily load the bikes by lifting them and placing the tyres in the racks tyre channels, then simply close the quick release ratchet straps over the wheels and clamp the crossbar or downtube of the cycle frame with the supporting arm. If you then realize you need access to your boot, no problem, the rack easily folds forwards to allow access.

Security and safety are taken care of by the built in key operated tow ball lock which locks the rack to your car, the rack also features a built in bike cable lock so you can leave the bikes on the rack with peace of mind. The homologated rear light bar and 13 pin plug offer complete road safety with fully function driving lights and number plate board.

When you're finished with the rack and need to put it away for another day, it folds down into and incredibly small package for easy storage.



- Available in 2 & 3 bike versions
- Quick and easy lockable fitting system
- Tipping features allows for access to the boot whilst fully loaded
- Supports Fat Bike and 29" size wheels and tyres
- Supplied with grab arms
- Scratch resistant powder coating
- 13 pin plug and rear light board
- Folds down for easy storage whilst not in use
- 30kg maximum weight per bike

SCHWALBE

E-BIKE READY

DURANO E



ENERGIZER PLUS



ENERGIZER PLUS TOUR



SMART SAM PLUS



Need a special tyre for an E-bike?
In standard pedelecs that have motor assist up to 25km/h, there is no legal requirement for a special tire. But even with these bikes, loads and average speeds are higher than in regular bikes, therefore we recommend only certain tyres as “E-bike Ready”.

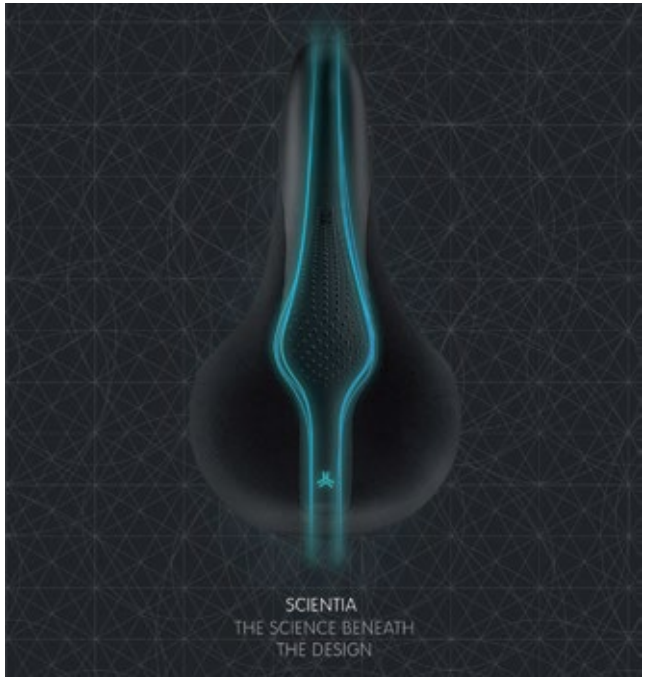
The following Schwalbe models are all e-bike ready:
All Marathons, All Energizer, Big Apple, Big Ben and Smart Sam Plus

The Energizer Range
The Energizer range has been developed specifically for fast e-bikes. All tyres in the Energizer range have the European ECE-R75 approval and are valid on vehicles up to 50km/h. The high quality compound has a low rolling friction and above all very good grip. That means security – even in fast cornering. Some Marathon tyres also bear the ECE-R75 approval. The difference is in the compound. A Marathon is renowned for it’s extremely high mileage. The service life of the Energizer is not bad, but the main focus is on grip and thus safety in high speed cornering.

SELLE ROYAL

Scientia – Custom Fit Saddles

The Scientia range is comprised of 9 saddles scientifically designed to suit each individual according to his or her body and type of use. The key to selecting the correct model lies in the combination of ischial variation and riding position. Visit your local bike shop to be measured up for a Scientia saddle.



DESIGN AWARD 2016



HERTZ

E-BIKE SPECIFIC USE

Hertz is an exclusive saddle whose structural elements have been developed specifically for eBike use by including a handle placed behind the saddle rear to aid in the movement of E-bikes. The saddle is padded with 3D Skin Gel, an advanced and flexible system where Royalgel™ is placed strategically according to the anatomical needs of the rider with a lighter final weight, guaranteeing the same pressure reduction on the perineal and ischial areas up to 40%.