

ridgeback.co.uk



 **RIDGEBACK**

QUALITY BICYCLES SINCE 1983

ELECTRIC  *BIKES*

ELECTRIC  BIKES

NEVER BREAK A SWEAT

If you're after the ideal solution when it comes to urban mobility then an e-Bike might well be exactly what you're looking for. Not only do e-Bikes make cycling practical for everyone, but they let you move around quickly and efficiently without getting to your destination covered in sweat – something we can all agree isn't the most comfortable outcome.

Whatever you want to do, an e-Bike can help make it a little more effortless, whether it's your commute, popping down to the shops or even making deliveries for your business using an e-Cargo bike.

But don't think it's basically a motorbike in disguise. E-Bikes use pedal assist, meaning you still need to turn the cranks to make

the bike go, you're just supported by a motor to help flatten those hills out. You can even choose how much the bike helps out by selecting whatever assist mode works for you which also helps to manage battery level.

For us at Ridgeback, e-Bikes are unquestionably the future. That's why we've put together one of the most comprehensive ranges on the market, with options for a whole host of different budgets and purposes. There's everything from bikes with a large battery capacity designed for longer range riding to smaller, lighter models with a lower range but easier to use round city streets.

So just pick which model you want and join the e-Bike revolution. We promise that you won't be disappointed.

SYSTEM HIGHLIGHTS

SHIMANO
STEPS

**418WH - 504WH BATTERY CAPACITY - 40/60/70NM DRIVE UNIT TORQUE
250W DRIVE UNIT POWER - UP TO 180KM RANGE - 4.5 - 7.5 HOUR FULL CHARGE TIME**

SPORT
DRIVE

**300WH - 500WH BATTERY CAPACITY - 95NM DRIVE UNIT TORQUE
250W DRIVE UNIT POWER - UP TO 100KM RANGE - 4.5 - 6 HOUR FULL CHARGE TIME**



AFFORDABLE ASSISTANCE



Cost of car*

£17,340

Cost of fuel
per litre*

£1.857

Yearly
running cost

£3,556

5 year
ownership cost

£35,120



Cost of
Ridgeback*

£2,999

Cost of electricity
per kilowatt hour*

£0,184

Yearly
running cost

£412

5 year
ownership cost

£5,059

Potential e-bike
savings vs car

£30,061

*Based on most popular car of the year, average cost of fuel, electricity, mileage, parts, labour and insurance as of August 2022.



SHIMANO
STEPS



Green



Red (Open Frame)

Advance 3

Frame: STEPS 6061 Heat Treated Aluminium Internal Battery
Fork: RST Volant PLS-TNL 60mm **Drivetrain:** Microshift XLE10 10-Speed
Motor: Shimano STEPS DU-E6100, 250W, 60Nm Torque
Battery: Darfon Internal, 504Wh **Brakes:** Alhonga AHJ-OD5
Tyres: Schwalbe G-One Bite 700 x 50c **Sizes:** M - L - XL
Colour: Bentley Green or Burgundy (Open Frame)



Advance 2

Frame: STEPS 6061 Heat Treated Aluminium Internal Battery
Fork: RST Volant PLS-TNL 60mm **Drivetrain:** Microshift Mezzo 9-Speed
Motor: Shimano STEPS DU-E6100, 250W, 60Nm Torque
Battery: Darfon Internal, 504Wh **Brakes:** Alhonga AHJ-OD7
Tyres: Schwalbe G-One Bite 700 x 50c **Sizes:** M - L - XL
Colour: Metallic Blue or Plum (Open Frame)



Blue



Plum (Open Frame)



Grey



Champagne (Open Frame)

Advance 1

Frame: STEPS 6061 Heat Treated Aluminium Internal Battery
Fork: RST Volant PLS-TNL 60mm **Drivetrain:** Microshift Mezzo 9-Speed
Motor: Shimano STEPS DU-E5000, 250W, 40Nm Torque
Battery: Darfon Internal, 504Wh **Brakes:** Alhonga AHJ-OD5
Tyres: Schwalbe G-One Bite 700 x 50c **Sizes:** M - L - XL
Colour: Grey or Pearl Grey (Open Frame)





SPORT
DRIVE



Grey



Silver (Open Frame)

Arcus 3

Frame: 6061 Heat Treated Aluminium
Fork: Suntour Mobie25 RLR, Tapered **Drivetrain:** Microshift Mezzo 9-Speed
Motor: SportDrive MD250S 36v, 95Nm, 250w
Battery: SportDrive Internal 500Wh **Brakes:** Alhonga AHJ-OD7
Tyres: WTB Ninline 29 x 2.25" **Sizes:** M - L
Colour: Graphite or Silver (Open Frame)



Arcus 2

Frame: 6061 Heat Treated Aluminium External Battery

Fork: RST Volant 63mm **Drivetrain:** Microshift Mezzo 9-Speed

Motor: Sportdrive MD250S, 250W, 90Nm

Battery: Sportdrive 418Wh **Brakes:** Alhonga AHJ-OD07 Hydraulic Disc Brake

Tyres: WTB Riddler 700 x 45c Reflex **Sizes:** S - M - L

Colour: Dark Blue or Bright Blue (Open Frame)



Dark Blue



Bright Blue (Open Frame)



Arcus 1

Frame: 6061 Heat Treated Aluminium External Battery
Fork: RST Volant 63mm **Drivetrain:** Microshift Mezzo 8-Speed
Motor: Sportdrive M155 250W, 40Nm
Battery: Sportdrive 313Wh **Brakes:** Alhonga AHJ-OD05 Hydraulic Disc Brake
Tyres: WTB Riddler 700 x 45c Reflex **Sizes:** S - M - L
Colour: Grey or Silver (Open Frame)



Grey



Silver (Open Frame)

SHIMANO
STEPS

Light Blue



Plum (Open Frame)

X2

Frame: STEPS 6061 Heat Treated Aluminium External Battery
Fork: RST Volant 63mm **Drivetrain:** Microshift Mezzo 9-Speed
Motor: Shimano STEPS DU-E5000, 250W, 40Nm
Battery: Shimano STEPS BT-E8014 418Wh
Brakes: Alhonga AHJ-OD07 Hydraulic Disc Brake
Tyres: CST Scalato Mondano Reflex 700 x 50c **Sizes:** S - M - L
Colour: Bright Blue or Plum (Open Frame)





SPORT
DRIVE



Electron INT

Frame: STEPS 6061 Heat Treated Aluminium Internal Battery

Fork: Alloy Disc **Drivetrain:** Shimano Nexus 7-Speed

Motor: SportDrive MD250S, 90Nm, 250W

Battery: SportDrive Internal 400Wh

Brakes: Alhonga AHJ-OD07 Hydraulic Disc Brake

Tyres: CST Metropolitan 700 x 50c **Sizes:** S/M - M/L

Colour: Dark Green





Electron S3

Frame: STEPS 6061 Heat Treated Aluminium Internal Battery
Fork: Alloy Disc **Drivetrain:** Shimano Nexus 8-Speed
Motor: Shimano STEPS DU-E6100, 60Nm, 250W
Battery: Darfon Internal 504Wh
Brakes: Alhonga AHJ-OD07 Hydraulic Disc Brake
Tyres: CST Mondano Scalato 700 x 50c **Sizes:** S/M - M/L
Colour: Petrol



Electron S2

Frame: STEPS 6061 Heat Treated Aluminium External Battery
Fork: Alloy Disc **Drivetrain:** Shimano Nexus 7-Speed
Motor: Shimano STEPS DU-E6100, 60Nm, 250W
Battery: Shimano BT-E6001 504Wh
Brakes: Alhonga AHJ-OD07 Hydraulic Disc Brake
Tyres: CST Ampero 700 x 40c **Sizes:** S/M - M/L
Colour: Grey



Electron S1

Frame: STEPS 6061 Heat Treated Aluminium External Battery
Fork: Alloy Disc **Drivetrain:** Shimano Nexus 7-Speed
Motor: Shimano STEPS DU-E5000, 40Nm, 250W
Battery: Shimano BT-E6000 418Wh
Brakes: Alhonga AHJ-OD07 Hydraulic Disc Brake
Tyres: CST Ampero 700 x 40c **Sizes:** S/M - M/L
Colour: Silver



SHIMANO
STOPS

Electron +

Frame: STEPS 6061 Heat Treated Aluminium External Battery
Fork: Steel Disc **Drivetrain:** Shimano Nexus 7-Speed
Motor: Shimano STEPS DU-E5000, 40Nm, 250W
Battery: Shimano BT-E6000 418Wh
Brakes: Shimano BR-MT200 Hydraulic Disc Brake
Tyres: CST Xpedium Ampero 700 x 38c **Sizes:** S/M - M/L
Colour: Silver

SPORT
DRIVE

Electron

Frame: 6061 Heat Treated Aluminium External Battery
Fork: Steel Disc **Drivetrain:** Shimano Nexus 7-Speed
Motor: Sportdrive MD250S, 90Nm, 250W
Battery: Sportdrive Panasonic 300Wh
Brakes: Shimano BR-MT200 Hydraulic Disc Brake
Tyres: Schwalbe Silento 700 x 42c **Sizes:** S/M - M/L
Colour: Silver

SPORT
DRIVE

Electron Front Hub Drive

Frame: 6061 Heat Treated Aluminium External Battery
Fork: Steel Disc **Drivetrain:** Shimano Nexus 7-Speed
Motor: Sportdrive M123, 250W, 30Nm
Battery: Sportdrive 313Wh
Brakes: Shimano BR-T4000 V-Brake
Tyres: CST Ampero 700 x 40c **Sizes:** S/M - M/L
Colour: Black or Red





Errand Red

Frame: 6061 Heat Treated Aluminium
Fork: Steel Disc/ Mudguard Eyelets
Drivetrain: Microshift SL-R758 8-Speed
Motor: Promovec 50675 RHM, 54Nm, 250W
Battery: Promovec 50790-BL 316Wh **Brakes:** Clarks Clout-1 Hydraulic Disc
Tyres: Schwalbe Big Apple 20 x 2.0" **Sizes:** One Size
Colour: Red



Errand Black

Frame: 6061 Heat Treated Aluminium
Fork: Steel Disc/ Mudguard Eyelets
Drivetrain: Microshift SL-R758 8-Speed
Motor: Promovec 50675 RHM, 54Nm, 250W
Battery: Promovec 50790-BL 316Wh **Brakes:** Clarks Clout-1 Hydraulic Disc
Tyres: Schwalbe Big Apple 20 x 2.0" **Sizes:** One Size
Colour: Black



Errand Blue

Frame: 6061 Heat Treated Aluminium
Fork: Steel Disc/ Mudguard Eyelets
Drivetrain: Microshift SL-R758 8-Speed
Motor: Promovec 50675 RHM, 54Nm, 250W
Battery: Promovec 50790-BL 316Wh **Brakes:** Clarks Clout-1 Hydraulic Disc
Tyres: Schwalbe Big Apple 20 x 2.0" **Sizes:** One Size
Colour: Blue





Promovec



Butcher Cargo Bike

Frame: 6061 Heat Treated Aluminium External Battery
Fork: Steel Cargo Disc **Drivetrain:** Shimano Altus 9-Speed
Motor: Promovec 50750 250W, 43Nm
Battery: Promovec 600Wh
Brakes: Shimano BR-MT200 Hydraulic Disc Brake
Tyres: Schwalbe Delta Cruiser 20" (Front)/ 26" x 1.75 (Rear)
Sizes: S/M - M/L **Colour:** Black



Promovec



MK5 Cargo Bike

Frame: 6061 Heat Treated Aluminium External Battery
Fork: N/A **Drivetrain:** Shimano Acera 9-Speed
Motor: Promovec 50971 250W, 40Nm
Battery: Promovec 500Wh
Brakes: Tektro HD-E530/ 525 Hydraulic Disc Brake
Tyres: Kenda CBT 20" (Front)/ 26" x 1.95 (Rear)
Sizes: One Size **Colour:** Black



Batteries and Chargers

The vital component to your electric bike is your battery, and how you look after it can determine not only it's longevity, but also your riding experience.

All our eBikes come with batteries that are manufactured to the highest standards using cells from some of the most well-known brands in the electronics industry. Whether your system is Shimano STEPS, SportDrive or Promovec, there are some common dos and don'ts when it comes to charging and storage. Some of the most common one's are listed below;

- Charge your battery little and often to maintain the health of the cells.
- Where possible avoid completely draining the battery of power (it's optimal to charge when it's at between 30-60% capacity).
- If storing the bike for longer than 1 month, remove the battery and periodically charge to around 70% capacity.
- Always unplug the charger from the wall supply and the battery once a charge cycle has finished.
- Batteries don't do well at extreme temperatures so it's always best to store and charge the battery inside over winter.
- Most batteries should see at least 1000 charge cycles without significant loss of capacity.
- Register your Promovec battery on the Promovec website to qualify for a 2-year capacity warranty. This must be done within 8 days of purchase.



At Ridgeback we understand that eBikes have a wide range of usage amongst our customer base. You might use your bike as a means of exploring whilst on holiday, a form of transport for the Monday to Friday commute or as a fully fledged car replacement. So to make sure we have you covered we offer a wide range of batteries and chargers as aftermarket spares. You may wish to buy a second battery so that you always have one charged and ready to go, or maybe a spare charger to keep at the office so that you don't have to remember to take one with you.

Please see the table on the following page for details on the batteries and chargers we currently offer.

SHIMANO
STEPS**SPORT**
DRIVE**Promovec** 

	Charger	Battery	Battery 2	Battery 3
Promovec				
Errand	RBSPR50128 – MK5 2Ah Charger	RBSPR50146 – Errand 316Wh Battery	RBSPR50147 – Errand 374Wh Battery	RBSPR50148 – Errand 482Wh Battery
Butcher	RBSPR50129 – Butcher 2Ah Charger	RBSPR50126 – Butcher 626Wh Battery		
MK5	RBSPR50128 – MK5 2Ah Charger	RBSPR50127 – MK5 500Wh Battery		
Sport Drive				
Electron FHD	RBSPR50123 – SportDrive 4thGen 2Ah Charger*	RBSPR50133 – SportDrive 4thGen 300Wh Carrier Battery	RBSPR50134 – SportDrive 4thGen 400Wh Carrier Battery	RBSPR50135 – SportDrive 4thGen 500Wh Carrier Battery
Electron	RBSPR50123 – SportDrive 4thGen 2Ah Charger*	RBSPR50133 – SportDrive 4thGen 300Wh Carrier Battery	RBSPR50134 – SportDrive 4thGen 400Wh Carrier Battery	RBSPR50135 – SportDrive 4thGen 500Wh Carrier Battery
Electron INT	RBSPR50123 – SportDrive 4thGen 2Ah Charger*	RBSPR50131 – SportDrive 4thGen 400Wh Internal Battery	RBSPR50132 – SportDrive 4thGen 500Wh Internal Battery	
Arcus 1 & 1W	RBSPR50123 – SportDrive 4thGen 2Ah Charger*	RBSPR50136 – SportDrive 4thGen 400Wh Downtube Battery	RBSPR50137 – SportDrive 4thGen 500Wh Downtube Battery	
Arcus 2 & 2W	RBSPR50123 – SportDrive 4thGen 2Ah Charger*	RBSPR50136 – SportDrive 4thGen 400Wh Downtube Battery	RBSPR50137 – SportDrive 4thGen 500Wh Downtube Battery	
Arcus 3 & 3W	RBSPR50123 – SportDrive 4thGen 2Ah Charger*	RBSPR50131 – SportDrive 4thGen 400Wh Internal Battery	RBSPR50132 – SportDrive 4thGen 500Wh Internal Battery	

* SportDrive have recently updated batteries and charger in accordance with an EU rule change. This does not affect current batteries or your ability to use them, but is a ruling on manufacturing. Therefore they have created a 4th Gen battery and charger. A 4th Gen battery will work with existing and future battery mounts, however the charging port is different so it must be paired with a 4th Gen charger also. This change will only have an effect on previous versions of Electron FHD, Electron, Arcus 1 & 2 in both men's and women's. Electron INT and Arcus 3 men's and women's all come with 4th Gen batteries and chargers from first shipment.

	Charger	Battery	Battery 2	Battery 3
SHIMANO STEPS				
Electron S1	ECE80046 – Shimano STEPS Charger	BTE6000GB – Shimano STEPS 418Wh Carrier Battery	BTE6001L – Shimano STEPS 500Wh Carrier Battery	
Electron S2	ECE80046 – Shimano STEPS Charger	BTE6000GB – Shimano STEPS 418Wh Carrier Battery	BTE6001L – Shimano STEPS 500Wh Carrier Battery	
Electron S3	RBSPR50112 – Darfon 2Ah Charger	RBSPR50112 – Darfon 504Wh Internal Battery		
X2 & X2W	ECE80046 – Shimano STEPS Charger	BTE8014A – Shimano STEPS 418Wh Downtube Battery	BTE8010 – Shimano STEPS 500Wh Downtube Battery	BTE8016 – Shimano STEPS 630Wh Downtube Battery
Advance 1 & 1W	RBSPR50112 – Darfon 2Ah Charger	RBSPR50112 – Darfon 504Wh Internal Battery		
Advance 2 & 2W	RBSPR50112 – Darfon 2Ah Charger	RBSPR50112 – Darfon 504Wh Internal Battery		
Advance 3 & 3W	RBSPR50112 – Darfon 2Ah Charger	RBSPR50112 – Darfon 504Wh Internal Battery		
Charging Accessories				
RBSPR50122 – SportDrive 4thGen Charge Adaptor				
RBSPR50120 – Darfon Charge Adaptor				
RBSPR50087 – Promovec EU Charge Lead				
RBSPR50145 – Promovec UK Charge Lead				
RBSPR50110 – SportDrive EU Charge Lead				
RBSPR50111 – SportDrive UK Charge Lead				



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