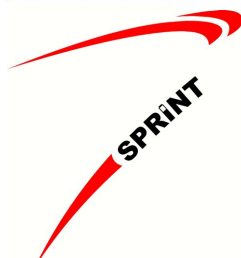


BATRIBIKE®

ELECTRIC BICYCLES



SPRINT

High Spec Models

Owner
Manual

MODEL:-



Sprint ☐

SERIAL NUMBER:-

				B	B	S			
--	--	--	--	----------	----------	----------	--	--	--

PURCHASE DATE:-

		/			/				
--	--	---	--	--	---	--	--	--	--

DAY

MONTH

YEAR

	DEALER STAMP

**IMPORTANT PLEASE READ THIS MANUAL FULLY
PRIOR TO ASSEMBLY AND USE**

For your safety and to ensure a long and trouble free life of your Batribike bicycle, check the operation of brakes, lights, bell and gears, and check tyre pressures are correct.

Also check all fasteners, including quick release mechanisms, before every ride.

Thank you for purchasing a **BATRIBIKE** Electric Bicycle

With care and correct usage your bicycle
will give many years of service.

Important

**PLEASE CHARGE THE BATTERY
BEFORE FIRST USING THE BICYCLE**

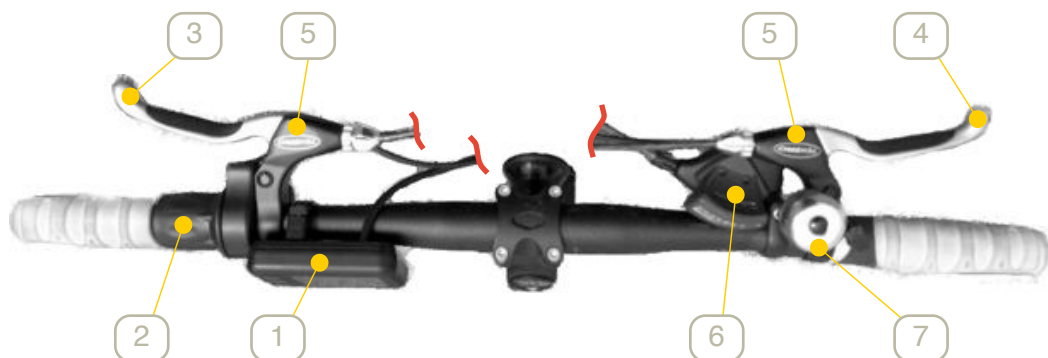
Even though the battery indicator will show charge this cannot be
relied upon until the battery has had the initial full charge.

PACKAGE CONTENTS

- 1 ELECTRIC BICYCLE
- 1 BATTERY
- 1 BATTERY CHARGER with UK Mains Lead
- 1 MANUAL

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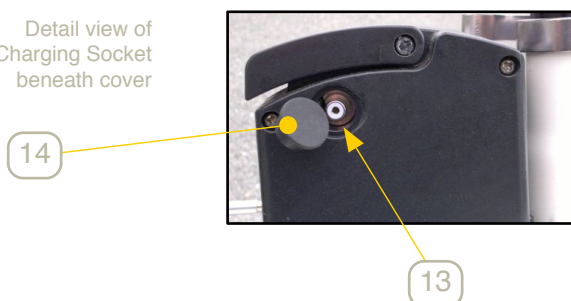


PARTS IDENTIFICATION

We continually strive to ensure that we provide you with the best possible products, therefore SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

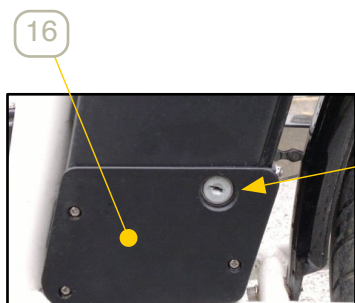
1	LCD	12	Battery	23	Chain Guard
2	Twist Grip Throttle	13	Charging Socket	24	Seat Height Adjuster
3	Rear Brake Lever	14	Charging Socket Cover	25	Suspension Seat Post
4	Front Brake Lever	15	Rear Hub Motor	26	Front LED Light
5	Motor Cutout Switch	16	Controller Box	27	Rear LED Light
6	Gear Selector	17	-	28	Pedals
7	Bell	18	8 Spd MicroShift Gears	29	-
8	-	19	Front Tyre 26 x 1.75	30	Rear Vee Brake
9	Battery Security Lock	20	-	31	Front Disc Brake
10	Battery "Ignition" Lock	21	Rear Tyre 26 x 1.75	32	Chainwheel
11	Suspension Forks	22	Suspension Pre-Load	33	Suspension Adjuster

Detail view of
Battery Charging Socket
beneath cover





Detail view of
Battery "Ignition" Lock



Detail view of
Battery Security Lock

CHARGING THE BATTERY

The battery can be charged on or off the bike.

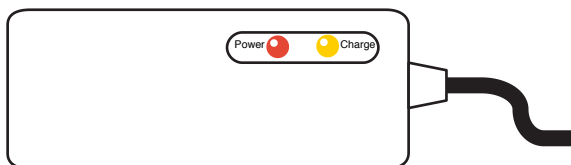
To remove the battery, remove the saddle, unlock the battery with one of the two keys provided and slide upwards and out of the frame.

Insertion is the reverse of the above procedure. Ensure that the battery is fully seated and locked back into position using the key.



WARNING

Ensure that the battery is switched off at the key switch before charging the battery.



USE ONLY THE CHARGER SUPPLIED



The charging lead is plugged into the charging socket located behind the cover on the upper right side of the battery.

IMPORTANT

It is important to plug the charger into the battery before switching on at the mains.

Similarly, switch off at the mains before unplugging the charger from the battery.

Plug the charger into the mains socket and switch on at the wall outlet. The lights on the charger will illuminate after a few seconds.



CHARGING



CHARGED

The RED light indicates that mains power is applied. The other light will show ORANGE/RED whilst charging is taking place. This may take up to six hours for a flat battery.

When the battery is charged the ORANGE/RED light will change to GREEN.

Once charged, switch off at the wall outlet and unplug. Unplug the charging lead from the battery and slide the cover back over the charging socket.

NOTE: If the battery is charged and the charger left switched on for an extended period the charger will enter a low power state, indicated by both the RED and ORANGE/GREEN LEDs flashing slowly. Switch off and unplug as above.



Alternative Charger Type

An alternative type of charger may be supplied with one light instead of the two described above. In this case the light is RED when Charging, and GREEN when the charge cycle is complete.



CHARGING IN
PROGRESS



CHARGE
COMPLETE

The battery does not have to be completely discharged before it is recharged. The Lithium battery has no "memory" and therefore can be charged at any time. It is perfectly acceptable to recharge the battery after a short ride so that the battery is fully charged before the next ride.



If your BATRIBIKE is not in use for an extended period it is imperative that you charge the battery before storage and then charge the battery once a month to prevent deterioration. When not in use, store the battery in a warm, dry place.

**FAILURE TO FOLLOW
THIS PROCEDURE WILL
INVALIDATE YOUR
BATTERY WARRANTY**

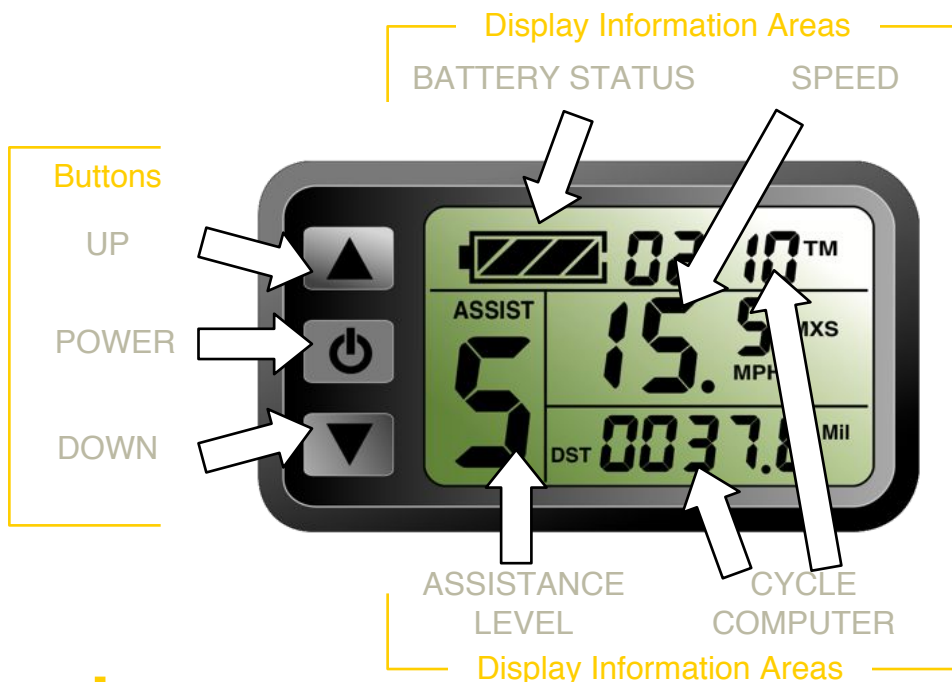
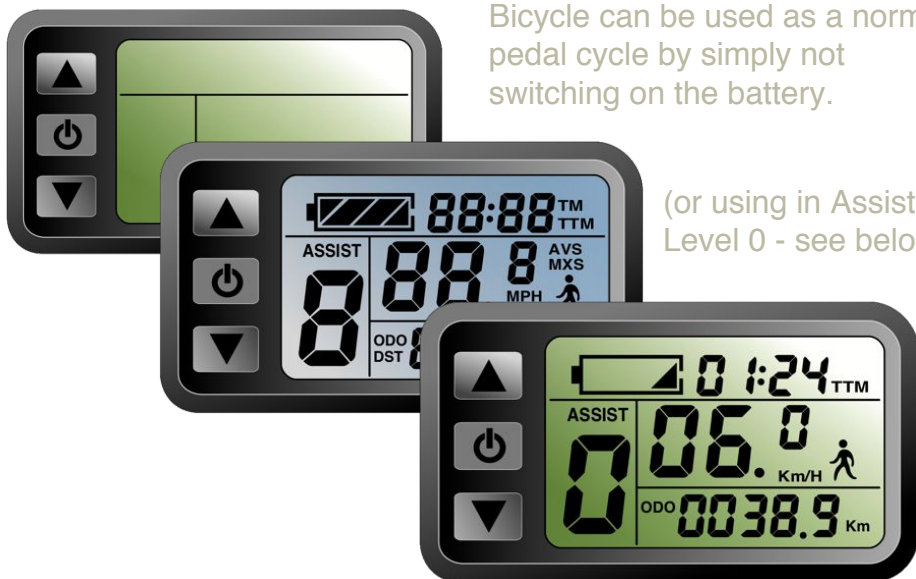
If Lithium batteries are left flat for an extended period then they may no longer be functional and a new replacement will be required.

With correct User Care as outlined above your battery should have a lifetime of around 1000 charges.

Usage

Your BATRIBIKE Electric Bicycle can be used as a normal pedal cycle by simply not switching on the battery.

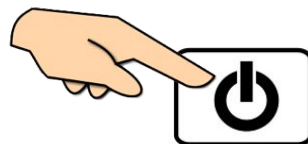
(or using in Assist Level 0 - see below)



ELECTRIC BICYCLE FUNCTIONS

Switching On

To use under electric power, Switch on the battery with the key located on the top left side of the battery. Then press the POWER button on the handlebar LCD display.



Control Buttons



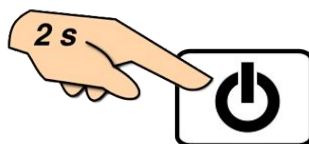
By means of the three buttons, UP, POWER and DOWN, on the handlebar mounted display unit, the various functions of the power controller and Cycle Computer can be utilised.

See the following sections for details.

Switching Off

To turn off the LCD and the power to the bike, press and hold the POWER button for 2 seconds.

If the power is left on for an extended period and the bike is not used, then the power will automatically be turned off.

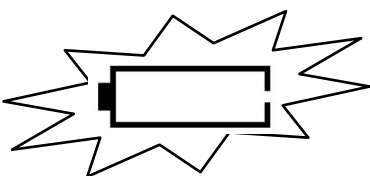


Battery Meter



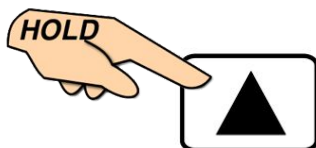
The LCD shows the charge remaining in the battery in the upper left of the display. The indicators will gradually go out as the battery power is used up. Refer to the table below for details.

BATTERY METER DISPLAYS THE CHARGE REMAINING IN THE BATTERY

SYMBOL DISPLAYED	CHARGE REMAINING	FLASHING
	70 - 100%	 <p>BATTERY IS EXHAUSTED AND SHOULD BE RECHARGED AS SOON AS POSSIBLE</p>
	50 - 70%	
	30 - 50%	
	15 - 30%	
	0 - 15%	

Display Backlighting - Night Mode

The LCD has a backlight for night time use. This is switched on by pressing and holding the UP button.



To turn the backlight off, again press and hold the UP button.



This function will also operate the front LED light

Speed Display

The centre large digits will normally display the current speed of the bicycle. For the UK market this is set to show miles per hour (MPH). The display is accurate to about 10% when the wheel size is correctly calibrated and the tyre inflated as per the manufacturers recommendations.



The display can be changed by your dealer to show kilometres per hour (Km/H)



Pedal Assistance






ASSIST



There are 5 levels of pedal assistance available from the motor. Using the Up and DOWN buttons you can select from level 1 (LOW) to 5 (HIGH). The motor will then be activated upon pedalling. There is a rotation sensor located near the crank which senses when the pedals are being used.



PEDAL ASSISTANCE FROM THE MOTOR

LEVEL	PERFORMANCE	EXAMPLE OF USAGE
ASSIST 	28 miles 15.5 MPH	Provides maximum power when negotiating hills and head winds. Great when needing to simply get from A to B as fast as possible.
ASSIST 	35 miles 12 - 15 MPH	Great for commuting to work. Normal Use Mode.
ASSIST 	40 miles 10 - 15 MPH	These are the levels to use for everyday cycling. Gives good performance whilst maximising usable range per charge. Best for Leisure Use.
ASSIST 	60 miles 9 - 12 MPH	Use these lower power levels when negotiating busy cycle paths and crowded areas. Also use when setting off and gradually increase through the levels for a smoother performance.
ASSIST 	untested 6 MPH	Ideal for negotiating obstacles.

Please remember that the above values are provided as a guide. Due to manufacturing tolerances the speeds & distances may vary.

Weather and terrain will affect the performance. In hilly areas or when the bike is heavily loaded there will be a significant increase in the power used from the battery and hence the range will decrease accordingly. A lightly loaded bike will achieve higher performance levels. (These results were obtained by test riders in optimal conditions - 75kg rider, level ground, no wind).

No Assistance - Normal Pedal Bicycle

ASSIST



If the assistance level is set to 0, (ZERO) then the motor will not be turned on. Your BATRIBIKE will now act and feel like a normal bicycle. This is useful when you are feeling fit at the start of a journey or using your bike for exercise purposes. Power is still only a button press away.

Other Functions

The Display can also show diagnostic information in the event of a malfunction.

If an error occurs the display will show a code as in the example shown. Make a note of the error number and turn off the bicycle

power. After 2 minutes turn on the power again. If the code re-occurs contact your dealer for assistance.





Using the Throttle - Country Specific

ASSIST



To activate the throttle, select level 6. "Assist 6" will be displayed on the LCD panel. In this mode the throttle on the left handlebar, (twist-grip), is now live. In all other assistance levels the throttle is not functional.

You can still pedal the bike but power will not be applied until the throttle is activated. To activate, twist the left grip towards the rider.

Use the throttle control gently. A small twist will apply a small amount of power. Twisting more will increase the power until the control is fully rotated at which point full motor power will be applied.

Throttle assistance can also be used without pedalling.

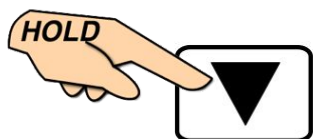
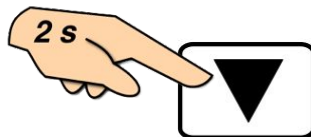
A handy way to use the throttle is to pull away from junctions, or when starting on inclines as the rider will pull away easier and is less likely to wobble. It can also be very useful for pulling out and overtaking slower cyclists smoothly and quickly.

PLEASE NOTE:

The throttle control is not activated for some countries due to legal restrictions. Please refer to your dealer for help and advice.

Launch Assist

If you want help in setting off on inclines or to get a smooth getaway at junctions and traffic lights, there is a system available whereby the motor can be applied even when no assistance is selected. This is known as Launch Assist and is activated by holding down the DOWN button for 2 seconds.



The motor will be switched on in low speed and will continue on until the DOWN button is released. The bicycle will be powered at approximately 4 MPH, (6 KMH). Whilst the motor is activated the running man symbol will be displayed. (Flashing).



The system is designed for intermittent use and should not be used for more than a few seconds at a time. If you want continuous power then one of the Assist modes should be selected.

BS EN15194 Compliance

The **BATRIBIKE** SPRINT conforms to BS EN15194.

For the British market, the addition of a throttle control has rendered this not compliant in some countries.

- You are recommended to seek advice from the relevant authorities in the country you are visiting before travelling.

CYCLE COMPUTER

The LCD models have useful Cycle Computer functions built in. There is a built in sensor and pickup located in the rear hub which activates the speed and distance readings.

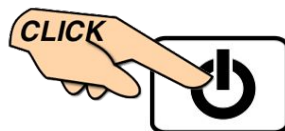
Normal Display

When first turned on the display shows the Trip Time (TM) in the top right and the Trip Distance (DST) in the bottom right. The Speed is always shown in the centre right section of the display.



Total Time and Distance

To change the display to show the Total Time (TTM) and Odometer Distance (ODO), simply press the POWER button momentarily.

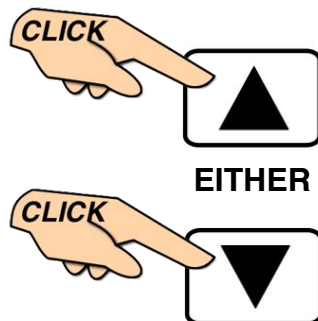


NOTE

The Trip Time (TM) and Trip Distance (DST) will be reset to zero when the power is turned off. This will also happen if the bicycle is not used for an extended period and the power is turned off automatically.

Average Speed

When Total Time and Odometer have been selected, clicking the UP or DOWN buttons sets the display to show Average Speed (AVS) or Maximum Speed (MXS) in the centre section.

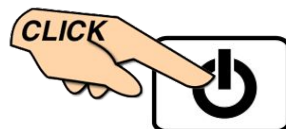


Average Speed



Maximum Speed

Momentarily pressing the POWER button will return the display to Normal showing the Trip Time (TM) and Trip Distance (DST).



STANDARD BICYCLE FUNCTIONS

Gears

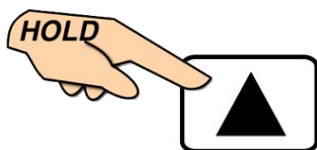
The **SPRINT** is provided with 8 speed MicroShift gears. To change gear you use the right handlebar mounted selector levers. Gear number 1 is low for hills and rough terrain and gear 8 is high for normal road use. To increase the gear simply push the upper lever with your right thumb. To decrease the gear push the larger lower lever away from you with your thumb. You must be pedalling forwards as you change gears.



Lights

Lights are provided on your **BATRIBIKE** bicycle. These are power efficient LED units which achieve a long life on each set of batteries.

SAFETY FEATURE - The power for the rear light is kept separate from the main power supply so that in the event that the battery is exhausted you will still have a rear light for safety.



The front light is powered by the main bike battery and is switched on by pressing and holding the UP button on the handlebar mounted LCD unit.



Press again to turn off the light.

The backlighting to the LCD unit is also switched at the same time.

An auto-sensing function is built in to the lamp unit which will deactivate the front light in bright conditions to save power.



The rear light requires 2 AA batteries. You will require a small screwdriver to take off the red lens for battery replacement. It is switched on and off by the small red push button switch on the rear of the unit.

Either of the types shown above may be fitted.

Braking

To stop, release the throttle and pull the brake levers.

Side Stand

To put the bicycle on its stand:-

- 1) While holding the bicycle upright, push the stand to its full extent.
- 2) Lean the bicycle over onto the stand.

Make sure bicycle is on solid ground.

Do not sit on the bicycle whilst the stand is down. It is designed to take the weight of the bicycle and not the additional weight of the rider.

Quick Release fittings for Seat Height Adjustment

With the locking lever in the loose position, tighten the nut until finger tight. The final tightening is done by moving the lever to the locked position. To undo move the lever to the loose position to enable height adjustment.

Loose



Locked



Adjusting the Front Suspension

The front suspension can be adjusted for softness and preload by using the adjusters on the top of the forks.



**PRELOAD
ADJUSTMENT
on left fork**

To adjust the preload, locate the tab on the top of the left fork tube. Lift the tab and turn in the direction shown with the + (PLUS) to increase the preload. Turn in the direction of the - (MINUS) to decrease the preload. Fold the tab flat again after use.



The softness of the suspension can be adjusted with the red dial located on the top of the right fork tube.

Turn the lever clockwise to choose the softer settings and anti-clockwise to stiffen the ride. Turning the lever fully anti-clockwise will "lock" the suspension.

Suspension setting is a matter of personal preference and may need to be adjusted for a comfortable ride depending on the terrain.



**SUSPENSION RIDE
SETTING
on right fork**

All other operation of your **BATRIBIKE** Electric Bicycle is as per a normal pedal cycle.

MAINTAINANCE SCHEDULE

Maintaining your bicycle ensures you'll get the most out of every ride and out of the entire life of your BATRIBIKE electric bike. How much of your bike's maintenance you can do yourself will depend on your knowledge, skill, experience and whether you have the necessary tools for the job.

Beyond this manual, it is good to consult your BATRIBIKE dealer for advice if you are at all unsure about any of the procedures described. Normal maintenance is not covered under the warranty and this service may be chargeable.

Before every ride

- Mechanical safety checks, (see notes on page 2). Use a fully charged battery. Visual inspection for damages.

After every ride (or WEEKLY)

- Clean the bike, including chain rings and sprocket. Clean and lightly oil the chain and gears.
- This must be carried out after every ride in dusty, marine or winter conditions due to the salt laden atmosphere.

Every 20 - 30 hours of riding (or MONTHLY)

- Squeeze the brakes and rock the bike to check for any looseness of the headset or brake mechanisms with each forward of backward movement. If any are loose, have your dealer check it.
- Lift the front wheel and turn handlebars left and right to check for tightness of steering. If tightness is detected it may be necessary to lubricate bearings and/or adjust the headset.
- Check and adjust the brakes, replace if worn out.
- Squeeze spokes in adjoining pairs between your thumb and index finger.
They all should have the same tension. Have your dealer re-spoke or true the wheel if necessary.
- Check cables for rust, kinks and fraying, have your dealer replace them if necessary.
- Check bottom bracket for play and adjust if necessary.
- Check wheel bearings for play and adjust/lubricate if necessary

After 3,000 miles (5,000 km) (or YEARLY)

- Hub motor and general inspection
We recommend you arrange to have a thorough inspection of your bicycle by a BATRIBIKE dealer. This includes opening up the hub motor to inspect and lubricate the gears.

Tyre Pressures

The tyres should be pumped up to within the range stated on the sidewall. This should be regularly checked as running with the correct pressures will ensure maximum range from the battery.

Repairing a punctured tyre

If you have a punctured tyre, we recommend that you get a specialist to carry out the repairs. You can always of course consult a specialist and carry out the repairs on your own if you are confident that you have the necessary skills. As there are no electronic components on the front wheel, its removal follows standard procedures as with normal bicycles.

Removing the Rear Wheel



If you need to remove the rear wheel, for example, to replace the rear tyre, then the motor can be unplugged to aid disassembly. The plug is located on the lower rear arm of the frame as shown, (Left).



Take care when re-assembling the plug to ensure that the two arrows are aligned correctly.



Remember to ensure that the cable is suitably secured to the bicycle frame upon re-assembly.

Be mindful of the tightening assembly sequence of washers, nuts and spacers.

WARRANTY CONDITIONS

The following warranty conditions are in addition to your legal rights.

Requirements for Warranty

As the makers, we guarantee against possible material or construction defects. Provided the following conditions are satisfied :

- Please retain your receipt as this is your proof of purchase and entitlement to Warranty. The guarantee starts on the date of purchase.
- Warranty is non transferable and applies only to the original owner.
- The Frame of your new **BATRIBIKE SPRINT** is guaranteed for 3 years from date of purchase.
- The Motor and Electronics are guaranteed for 2 years from date of purchase.
- Other main cycle parts have a warranty of 1 year.
- The battery is covered for 1 year.

Please take note of the Battery Care information on pages 6 & 7 of this manual to ensure your battery life is maximised, and to comply with the Warranty Conditions

Exclusions from Warranty

- When the bicycle is used negligently or results in damage due to traffic accident.
- Damage ascribed to normal wear and tear.
- Poor maintenance, or modifications that no longer complies with regulations or original technical specifications.
- Damage due to external causes.
- The bicycle is put up for hire.
- The battery pack is used incorrectly or tampered with. This also applies during charging.
- Compensatory costs arising from damages or accidents.
- Cost incurred by loss of the bicycle's usage.

Brake blocks/pads, tyres, lights and cables etc. are considered as consumables and replacements are available from BATRIBIKE or may be obtained from your local cycle shop.

In the event of a Warranty claim

- In the event of warranty repairs becoming necessary you should return your bicycle to your Authorised Batribike Dealer, (where you originally purchased your Batribike).
- Original defective parts that are sent to the manufacturer for assessment will be replaced by the same or equal value part.
- Delivery and collection charges are not included. These are borne by the owner.
- Fallowgate Limited exclusively makes the decision whether or not the warranty applies.

Please consider the environment before disposing of any part of your Batribike Electric Bicycle.



The Battery Pack contains Lithium and Special Consideration should be given to its safe disposal. Your Local Authority should have the necessary facilities in place.



If you prefer you may take your original battery to BATRIBIKE for recycling.

Never dispose of batteries in a fire or subject to puncture or crushing.

Technical Specification SPRINT

Frame Size	48 cm (19 inches)	Power Delivery	Pedal, Twist Grip or Launch Assist Button	Lights	Front - LED Auto sensing powered by main battery
Frame Material	Aluminium Alloy	Sensor	Rotation Sensor		Rear - LED light requires 2 x AA batteries
Colour	White	Range (throttle)	up to 24 miles (level 6) at 15 mph	Saddle Height	90 - 102 cm (35.4 - 40.2 inches)
Weight (inc. all fittings, rack, mudguards etc)	22.64 kg (49.9 lbs) inc. battery 19.4 kg (42.8 lbs) battery removed	Range (pedal assist)	28 miles (level 5) at 15 mph 40 miles (level 3) at 12 to 15 mph 60 miles (level 2) at 9 to 12 mph	Note - Saddle height can be lowered by fitting non-suspension post. (Not supplied)	
Battery	Lithium	Gears	8 speed micro-shift	Overall Length	183 cm (72 inches)
Battery Power	36V 10Ah	Chain Wheel	48 Teeth	Overall Height	102 cm (40.2 inches)
Battery Life	up to 1000 charge cycles	Brakes	Front - Disk Rear - Vee	Crossbar Height	65 cm (25.5 inches) minimum
Motor	250W rear hub brushless	Wheels	26"	Wheelbase	117.5 cm (46.3 inches)
Speed	Up to 15 mph (25 kmh)	Forks	Adjustable Suspension	Max Rider Weight	130 kg (20 st 7 lbs)
Power System	Cycle only or Multi-Mode Power Pedal assist (5 power levels) Switchable throttle (level 6) Launch Assist 6kmh (4 mph)	Seat	King Sport (Post Ø28.6 mm)	Security	Key activated On/Off Battery locks to frame
		Stand	Sturdy side stand	Rider Protection	Sports mudguards and chain guard fitted
		Additional Features	Ergonomic grips with half throttle Suspension Seat Post		

(All distances quoted on flat ground with a 75 kg (12 stone) rider)

www.batribike.com



BATRIBIKE Electric Bicycles are exclusive to:-

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Sturton-by-Stow
Lincoln
LN1 2AH
Phone: 01427 787774
E-mail: support@batribike.com

Fallowgate
LIMITED



BATRIBIKE are
Full Members of
the British Electric
Bicycle Association