

**BLACK ROCK BIKES**  
U S A

**SHAKA**

Instruction Manual

Please take time to record the following information:

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**Recording Your Serial Number**

**Bike Serial No:** \_\_\_\_\_

**Battery Serial No:** \_\_\_\_\_

**Model:** \_\_\_\_\_

**Color :** \_\_\_\_\_

**Date of Purchase:** \_\_\_\_\_

**Distributor:** \_\_\_\_\_

**Contact:**



Please use this product according to the instructions.

## Introduction

Dear Customer,

Before using this ebike please take time to read this manual.

It is the Owner's responsibility to carefully read all of the contents of this manual and to comply with all laws pertaining to the operation of bicycles and/or electric bicycles in your local jurisdiction. If you have any questions consult with your local DVLA office for clarification.

## Contents

Recording Your Serial Number.....	2
Introduction.....	3
Safety Precautions.....	5
Assembly.....	5
Charging instructions.....	8
Operating instructions of meters.....	10
Riding Tips.....	11
Maintenance.....	12
Troubleshooting.....	13
Warnings -READ BEFORE RIDING.....	14
Warranty.....	15

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- ▶ These electric bikes are not classified as motor vehicles; however, to drive them on the roads, various countries have differing laws.
- ▶ We have worked hard to provide you a quality product, well designed, and without defects. You too have a part to play..... with proper care, maintenance and attention to bicycle safety rules, your ebike will give you years of enjoyment.
- ▶ Do not ride this bicycle until you have read and thoroughly understand the owner's manual. It contains information critical to your safety. If you have questions about the operation of this electric bicycle, consult your authorised dealer. It is extremely important that you follow the safety guidelines contained in this manual in order to ensure your maximum safety. If you loan your bike to anyone make sure they also know how to operate it safely.
- ▶ When using, do not exceed the maximum user weight of 136 kgs (300 lbs) and please be aware of increased braking distances during inclement weather conditions.
- ▶ This E-bicycle is fine to use in the rain and snow, however it is not advised, to ride through puddles deep enough to submerge the rear electronic hub as this will cause short circuitry and damage to the electric apparatus.
- ▶ The exposed metal contacts on the battery box are both positive and negative; therefore do not touch at the same time with wet hands,

**CAUTION! Fully charge the batteries before the first use!**

## Safety Precautions

▶ Safeguard your battery to insure continued high performance. It should be recharged after each use. The normal full-cycle battery life if it is continuously discharged and re-charged is about three years or 800-1000 cycles or recharges, after which the storage capacity of the battery will gradually decline. If it is not fully discharged and is recharged regularly, the service life of the battery will be at its optimum. The batteries supplied are a top quality Batteries specifically designed for this Ebike.

**CAUTION! Fully charge the batteries before the first use!**

**Failure to do this can result in decreased battery performance for the life of the bike. Fully charge the battery each time you use the bike.**

- ▶ Battery performance is affected by the temperature, and is generally more efficient in warmer temperatures. When the temperature drops below 32 F (0 C) the battery current may decrease by a third. Consequently the travel range on a full charge in cold environments is much less.
- ▶ Frequent braking and starting, riding uphill, traveling against a strong wind, starting from a standstill, riding on rough or muddy roads, carrying more than one person and/or heavy loads will consume extra battery power and shorten the range. A few tips to prolong the battery life during these conditions are as follows:
  - ▶ Frequent Braking – try to look ahead and coast rather than stop and go frequently. Riding uphill or against a stiff wind – pedal to supplement the battery power.
  - ▶ When starting from a standstill – use the pedals to help bring you up to speed.
  - ▶ When the battery meter indicates the voltage is low, switch to manual power and avoid using the battery so you don't shorten the battery life.
- ▶ If the battery is being stored, remove the battery from the bicycle and recharge it every month.



**Always turn off the power and remove the key from the battery before and during charging to prevent damage to the controller and to the batteries!**

- ▶ This electric bicycle can be used in the rain, however, **it must not be submerged in water or puddles** - the controller, motor and other electrical devices may be short circuited as a result.



**DO NOT use chargers or other components that have not been approved and tested by Pro Rider. Pro Rider is not responsible for damages caused by the use of other products not specifically designed and tested for use with this electric bike.**

- ▶ **Battery Chargers** contain sensitive electronics. Improper use, dropping, or sudden jolts can damage the charger and its internal components.

## Assembly Instructions

- ▶ Carefully remove the bike from its box.

## SHAKA Front Wheel Assembly

Put the front wheel into the front fork



Remove the nuts from the front axle. Slide the wheel into the slots at the end of the forks. Make sure the disk for the brake slides into the front brake caliber cleanly. Replace nuts and check that the wheel is centered into the fork and the disk is free in the brake caliber. Insure the wheel turns freely. Tighten the nuts with a spanner. **Do not over tighten.**

## Seat Post Assembly



**Seat Installation:** Insure the mounting clamp is mounted on the frame over the hole on the seat. Slide the seat base into the hole and adjust to the desired height. Push down the lever on the clamp to secure the seat in the mounting hole.

## Pedal Assembly



L or R on the pedal axle.

L means left pedal.

R means right pedal.

Tighten clockwise for the right pedal and anti-clockwise for the left pedal.

## Recommended Torque for main parts' assembly

No.	Parts	Torque required (N.M)
01	Handle bar	18~25
02	Stem	18~25
03	Saddle	18~25
04	Seat post	18~25
05	Front hub	18~25
06	Rear hub	40~45
07	B.B.Parts	40~45

Congratulations you have now assembled your ebike!!

## Charging instructions

1. Out of the box, the battery is only semi-charged. Charge to its full capacity before first use.
2. For the first three charges, charge the battery for at least 12 hours,
3. Put the female plug of the charger into charging socket of the battery box. Insert the male end of the plug into the outlet. The power is on when the indicator lamp of the charger is on. It is charging when the indicator light is red.
4. When the light turns from red to green, the battery is fully charged.
5. After the green light is on, the charger is in “trickle charge” and will charge slowly and maintain the charge.

Matched Standard charger (plug) and Lithium Battery



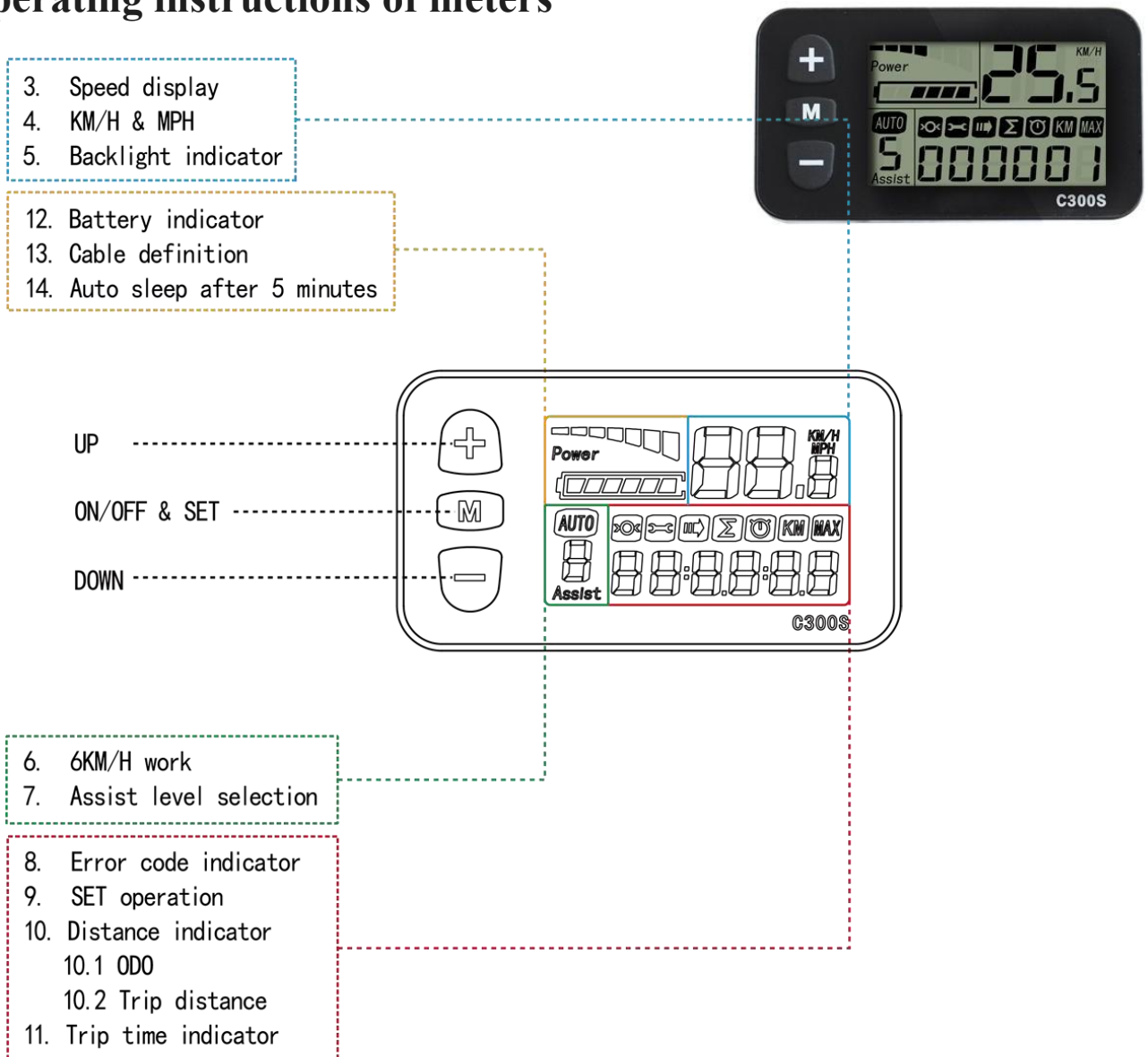
Charger Kit



## Caution:

1. Please make sure that the voltage in your country is suitable for the charger's input/output requirements.
2. Please ensure the ebike power switch is off and the key has been removed before charging.
3. This charger is recommended for **INDOOR** use only.
4. When charging, please try to place out of reach of children.
5. Charger repairs should be carried out by a qualified technician – **Do Not Attempt to Repair Yourself.**
6. Do not touch the two electrodes on the battery by hand.
7. When the bike is not in use, charging the battery is still recommend at least once every month; for a minimum of two hours each time.
8. Do not use non Pro Rider recommended chargers.
9. Only use this charger in a dry, clean, well ventilated environment out of direct sunlight.
10. Do not shake or hit the battery violently.
11. **Do Not Open** the battery casing this will void your Warranty.

## Operating instructions of meters



2. To use the Pedal Assist feature, start to pedal and after you reach a speed of 3 mph the motor will start to assist you to the maximum speed set in (5).

3. **Throttle:** Your throttle is on the right hand side of your handlebars. Turn the throttle grip towards you while seated on the bike. When the grip is fully turned it will assist you to the maximum speed set in (5).

To use the throttle pull the grip towards you.

**Caution: Only use the throttle whilst seated on the bike.**



If your bike is without throttle, you could use thumb shifter or use pedal to start

4. The left brake lever controls the rear disc brake, and the right brake controls the front disc brake.

5. There is an automatic SHUT OFF of the throttle on the brake levers i.e. every time a brake lever is pressed, the power from the motor is discontinued.

6. Maximum load for this bike is 136 kgs (300 lbs), (incl: load on rear carrier)

7. The maximum load for the rear carrier is 55 lbs (25 KG). The carrier is not suitable for installing baby chairs and trailers. Please check the condition of the bolts on the rear carrier for 'wear and tear' on a frequent basis and make sure they are well fastened.

## Riding Tips

1. Before riding, check to make sure the battery is fully charged, that the air pressure in the tyres is normal, and make sure the front and back brakes are working properly. Check the tightness of the front and back wheel, handlebar and that the seat is fastened tightly enough.
2. When climbing steep hills a certain amount of pedaling is advisable so as not to drain the battery power too quickly.
3. It's a good idea to remove the battery key when leaving the bike unattended.
4. We recommend the wearing of safety helmets at all times whilst riding this bike.
5. Obey all traffic laws relevant to the operation of bicycles and electric bicycles.
6. Only one person at a time is permitted to ride this bike.
7. This bike is for use on public roads and pavements only – try to avoid 'Off Roading' and rough terrain.
8. Please avoid deep puddles.
9. KEEP both hands on the handlebars at all times.
10. DO NOT hang objects on or under the handlebars
11. DO NOT brake suddenly in the rain or on slippery wet surfaces.
12. USE extreme caution when near other vehicles. Assume they do not see you, and be careful at junctions and when starting from a stopped position.
13. Wear bright clothing to help make you visible to other motor vehicles.
14. Do not wear loose clothing that can become caught on the bicycle.

## Maintenance

▶ **Wheels:** Wheels should be centred in the fork or dropouts. If you hear any irregular noise from the wheels or brakes, the wheels should be checked and repaired. Regularly check the spokes of the wheels for tightness and rim alignment. The wheels should rotate smoothly without wobbling from side to side. Check the bearing play of the hubs by lifting the bicycle and spinning the wheel. It should continue to spin for several turns after you stop spinning. To check the play of the hubs try to move the rim from side to side between the forks. No substantial play should exist. If you detect play or if the wheel is difficult to turn, the bearings must be adjusted or replaced. Please contact a local bicycle dealer, to have the hub bearings adjusted for new bearings.

▶ **Rims:** The rims should be smooth and without cracks, breaks or bulges.

▶ **Spokes:** Check the tension of the spokes regularly. About the same tension should be on all the spokes. If there is some minor loosening of the spokes, you may tighten the nipples, but it is recommended that you take it to a bicycle shop. If there are loose spokes or if the rim has side play of more than 4mm, immediately have the wheel trued by a bicycle engineer. **Riding with loose spokes may cause the wheel to fail!**

▶ **Tyres:** Inflate your tyres to the pressure embossed on the sidewall before use of your new bike. It is recommended that the tyre pressure for your Electric Bike be at least 45 psi. **Every time you ride, make sure the tyres are inflated according to the pressure on the sidewall.** Improper tyre pressure will make riding more difficult, cause excessive wear, and premature failure of the tyre. The tyre should be properly seated in the rim and the fitting of the tyre bead and rim bead should be checked. If the tube is pinched between the rim and the tyre, it will fail when inflated. Make sure that the tyre is not cracked or worn unevenly. Check for bulges. Check and make sure that the valve stem is straight in the rim. Irregular tyres should be replaced immediately.

▶ **Handlebar and Display:** We have created the handlebar display so that you can easily see it while riding. Loose or damaged grips on your handlebars are dangerous! If your grip comes off you could lose control of your bicycle.

▶ **Brakes:** Riding with brakes that are worn or damaged, or with worn cables or wheels in poor condition may result in losing control of your ebike. Wet weather hinders the brake performance. You need more distance to safely stop in the rain or in a wet or icy conditions. Before each ride, check to make sure your brake cables are free of obstacles, and are working properly before operating your vehicles.

- **Batteries:** There is a locking key to lock your battery onto the bike frame to discourage theft. **Do not attempt to open any of these batteries in any way!** Doing so may cause chemical, electrical, and/or fire hazards.
- Lubricating the front axle, back-shaft and pivot etc. once every three months. Oil the bike chain and brake cable pipe at least once every month.

## Troubleshooting

Problem	Solution
<ul style="list-style-type: none"> <li>▶ The switch is turned to the “ON” position, but the E- bike does not work.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Check whether the battery and battery box seat are lined up, and whether the battery box is locked.</li> <li>▶ Check the fuse (inside top of battery box).</li> </ul>
<ul style="list-style-type: none"> <li>▶ After stopping, the bike doesn’t restart.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Check whether the brakes are stuck.</li> </ul>
<ul style="list-style-type: none"> <li>▶ In ‘Power mode’ the bike runs slowly</li> </ul>	<ul style="list-style-type: none"> <li>▶ Is the throttle opened fully?</li> <li>▶ Check to see if the battery is fully charged.</li> </ul>
<ul style="list-style-type: none"> <li>▶ The Charger indicator is dimmed and doesn’t appear to be charging correctly.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Check whether there is electricity to the charger.</li> </ul>
<ul style="list-style-type: none"> <li>▶ A yellow light is illuminated on the charger while charging.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Check whether the plug end of the charger has been inserted properly.</li> </ul>
<ul style="list-style-type: none"> <li>▶ If the above doesn’t solve your problem or if your particular issue isn’t listed here, then call the Service department for assistance.</li> </ul>	

## Warnings -READ BEFORE RIDING

WARNING! Before riding your Electric Bike, you should become familiar with the basics of bicycling safety.

WARNING! Riding with damaged, poorly maintained or improperly engaged components can result in an unexpected failure of a critical element of your Electric Bike. The failure of a critical element is likely to result in the rider fling and suffering serious injury or death.

WARNING! Riding without an approved helmet greatly increases your chances of suffering serious injury or death during a crash or fall.

WARNING! Electric bicycles are subjected to high stresses during operation. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches, or change of coloring in highly stressed areas could indicate that the component should be replaced.

WARNING! Immediately take your bike to an authorized retail location if you suspect any components may be compromised.

WARNING! Always check with local, state, and federal authorities to make sure you are up to date on rules and regulations concerning electric bicycles.

WARNING! Black Rock Bikes ebike are designed for one passenger only. Do not operate your electric bicycle with more than one passenger. WARNING! Riding at night or during inclement weather significantly increases your chances of an injury, and death.

WARNING! Wet weather adversely impacts visibility, traction, braking, and maneuvering for the Electric Bike rider as well as other cyclists and motorists. Always ride more slowly in wet conditions and begin slowing down far earlier than would be necessary under dry conditions. Never take sharp corners at high speed or attempt to corner while braking in wet conditions.

WARNING! Keep the electrical components of your Electric Bike away from any liquids.

WARNING! Do not open the battery or battery charger. If you notice anything unusual while charging, please unplug the charger and contact your nearest Black Rock Bikes' location or a qualified electric bike technician.

WARNING! Do not rely on reflectors to provide adequate lighting during periods of low visibility, especially dense fog. Reflectors cannot substitute for appropriate lights. DO NOT REMOVE THE INSTALLED REFLECTORS FROM YOUR BIK E. Removing them can lower the chances you will be seen during periods of low visibility, reducing your level of safety. Inspect your reflectors often to ensure that they are clean, straight, and undamaged. Have your reflectors repaired or replaced if they are damaged or misaligned.

The most important safety rule of them all: USE COMMON SENSE!

## Warranty

All new Black Rock Electric Bikes ("Bikes") and components therein are warranted to the original retail purchaser (Purchaser) against manufacturing defects in materials and/or workmanship for a period of two (2) years from the date of original retail purchase.

Warranty does not extend to any damage resulting in water related damage or any damage resulting from rider exceeding weight limit of 136 kgs (300 lbs). The weight limit includes both rider and any gear.

Warranty does not extend to any standard wear and tear, including depleting battery capacity.

The defective product will be replaced or repaired if met under certain pre-conditions.

The original receipt of purchase is required to establish proof of

purchase and warranty date must be provided to Black Rock Electric Bikes for all warranty claims. Shipping costs are an additional charge. All replacement batteries will be warranted for the balance of the original warranty period.

Replacement will be honored only by Black Rock Bikes.