

# 2220 USER MANUAL

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## Diagram of e-bike specific components

- 1.Handlebar
- 2.Front fork
- 3.Tyre
- 4.Saddle
- 5.Controller
- 6.Torque sensor
- 7.Battery
- 8.Motor



## Specification

Frame: Hi-ten Steel

Motor: 250W brushless rear motor

Battery: Lithium battery, 36V 7.8AH

Sensor: Torque sensor

Brake: F- V Brake/R- drum brake

Charger: AC 100V-240V Smart Charge

Charge time: 2-5 Hours

Max speed: 25km/h

Range:  $\geq 30$ KM

Max loading: 120kg

## How to use

### 1. The process of opening and working.

- A.** Put the battery into the carrier and keep it connect well and stable.



After that lock the battery, take off the key.

- B.** Turn on the switch button which is red.



- C.** Then you can Ride the Ebike like normal bicycle.

### 2. The process of closing .

- A.** Stop ride and keep the bike is not moving.  
**B.** Turn off the switch button on the battery box.



- A.** Turn the key when you want to take out the battery box.

### 3. The process of charging .

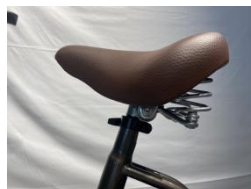
**A.** Just connect the charger with the botton below,you can take the battery off when you are charging.



### 4. Warning

**A.** Don' t turn on/off the switch button of battery when you are riding.

**B.** Keep fix well the QR of seat post and keep the pedals are fixed well.



# Battery

## 1. Important safety notes concerning the battery

### WARNING

To prolong battery life, store the scooter in garage to prevent low temperatures and affect the battery performance.

- Do not dismantled or dispersed the battery cells.
- Keep away the battery from children.
- Do not connect cathode and anode of charger during charging and discharge process. Prohibited to use any conductor to connect both cathode and anode.

This will cause short circuit.

- Prohibited battery dip in the water.
- Prohibited placed the battery in the temperature over 60°C next to the high-temperature heat source, such as ingle, heating, etc.
- Prohibited knock on, throwing and trample the batteries, etc.
- Prohibited edge tool or nails lacerate and cut through the battery.
- If the leak occurred, electrolyte has come into the eyes, please do not rub.

Wash immediately with plenty of water.

- If the battery in smell, heat, smoke, changed colors, distortion or any abnormal, stop using the battery and away from it immediately.

## 2. Protection

To extend the battery life and be Intelligent Use of li-battery ,here are the regulations:

Firstly: Requirements on charging and discharging

**A. charge:**the charger must be the assorted one . First, connect the power to the charger. second,insert the charger's out-put connector to the battery's in-put connector. Third, when the signal light is on,please pull out the battery's in-put connector first. The common single charging time is about 6-8 hours.if the battery be blow-up, the charging or discharging must be stopped.

**B. avoid over discharge:** charge the battery timely after discharging, in order to avoid the over-discharge.

Secondly: Requirements on storage

**A .** li-battery cannot be stored at the place where is over hot and over humidity.therefore the temperature of the storage should between -20 to 55degree,and further more the storage must be kept in dry,clean and the battery should not be piled up.

**B .** the battery cannot be stored for a longtime without charging. The battery should be charged once a month. The battery should be stored with fully charged.

Thirdly: Maintenance

**A .** When you test the voltage of the single piece of the battery-cell, you have to test the cell directly ,not by the wire. By doing that, it can avoid the voltage decline.

**B .** You have to wear the gloves or clip the finger nails before you take out the single piece of the battery. So as to avoid damage the cover of the battery.

**C .** Forbid bending the battery cell,the top edge of the seal-up.And also the falling ,hitting and short circuit are prohibited .

**D .** When you re-assemble the battery,there are some special notes we have to concerned in mind. The temperature of the electric iron should below 350℃; the welding time must be less than 3 seconds; and the frequency of welding should be no more than 5 times;the second welding must be done after cooling.

# Charger

## 1. Charger function

Trouble shooting:

Should there be any difficulties with charging please check if:

- the power cable is connected properly.
- the charger plug or the battery socket is damaged.
- the battery shows any damage on the surface.
- the power socket works and whether the correct voltage is provided. (if necessary, plug in another gadget and check).



Please use only the original charger which was supplied with the WBLDDC

This charger is specially made for the lithium battery.

The LED light indicates the battery status as shown on the table below:

Charging cycle and LED indication for lithium battery	
LED	Mode
green	the battery is not connected
red	the batter is charging
green	the battery is charged, the charger switches off

## 2. Important safety notes concerning the charge

Before you first use the charger please read the following notes regarding safety carefully!



### WARNING

- Keep the charger away from children!
- In order to prevent any possible injury this charger should only be used for the original lithium battery which is supplied together with the WBLDDC. Any other battery is not compatible and risks to explode while charging, causing serious injury to people as well as damage to other equipment.
- Using this charger for batteries not supplied by WBLDDC,for the E-RIDE could risk catching fire, provoke electric shock and/or cause serious injury.
- Please make sure that the charger is always kept dry and does not get wet at any time.
- Should there be an incidence of contact with water or any other liquid,make sure to unplug the charger immediately from the power socket and have it

inspected by a specialty dealer.

- Make sure the charge is always placed on a flat surface when in use.
- Please make sure that the charger is always unplugged and removed from the power socket when not in use.
- Before using the charger, always make sure that the plug and the cables are not damaged.
- Never connect a damaged cable or plug to the power socket.
- Never try to disassemble the charger. Wrong re-assembling could cause an electric shock and serious injury.
- Always unplug the charger before cleaning it.
- The charger should only be cleaned with a dry cloth. Never use a wet cloth, oil or any other liquid.
- Do not use an extension cable. Only use the original cable supplied with the charger.
- An extension cable might, if not 100 % compatible, catch fire or cause an electric shock.