

R804
USER
MANUAL

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Chapter 1 Products Introduction

This scooter is to use 3D design, beautiful appearance, unique style and leisure structure, which let you fall in love at first sight.

Main characteristics are as follows:

- 1.Lithium : the product has passed all the tests required by CE. ROHS AND UN38.3 certification and registrations of the safety inspection, safe and reliable. Service life is 3 times of lead-acid batteries, the basic do not need to change - long life. Weight is the 1/3 of lead-acid battery, light weight. Products with high voltage and powerful, climbing speed fast, high energy; Recognized as a green energy, no any pollution in the whole process of the production and use.
- 2.Battery: Hidden in the center of the pedal beneath the surface, force equilibrium, small, light and safe.
- 3.Motor: The best magnetic steel material is qualitative, the high quality silicon steel sheet, bold coil, precision bearings, gross motor shaft, powerful and durable.
- 4.Tire: Using wide beach car straight grain vacuum tires, generous compaction, better stability and more grip, braking distance is shorter, no worry about flat tire, ride safe, comfortable and soft.
- 5.Frame: From 3D virtual design and assembly, to the advanced technology of automatic pipe bending, robot automatic welding with one, super pedals, non-slip, let you sit or stand, ride safe, cargo also worry.
- 6.Disc brake: The cabinet and delicate hydraulic disc brake, the pump body aluminum alloy forging technology, advanced CNC processing technology, flexible, and the braking action freely.
- 7.Direction: Leisure streamlined human body engineering design, tough and firm, allowing you to easily manipulated.
- 8.Hand tube: using soft rubber mold injection molding, let your hand feels comfortable.
- 9.Seat cushion: Adopt new plastic material plate, high elastic foam, senior anti-slip leather, elaborate design and perfect appearance, proper high, let your long ride more comfortable.
- 10.Smart charger: according to the automatic portable design, charging without care, wherever there is 220V ac power supply, rechargeable use.
- 11.Controller: specially set-up, soft start, no sense of frustration, driving safer.

Chapter 2 the scooter part and appearance



Chapter 3 Main Technical Parameters

Main technical parameters of the scooter

Model:r804

Length : 1756mm

Width : 750mm

Weight : 50kg

Tire size : 18x9.5inch

brake mode : Disc brake

Maximum climb : 18 degree

Maximum torque : 95N/M

Maximum mileage : 35-40KM

Maximum speed:35km/h
Maximum load : 200KG
Battery specification : 60V12AH lithium battery
Charging time : 4-6hours
Motor power : 1500W

Main technical parameters of controller

- 1.Current limiting protection value: $30 \pm 1A$
- 2.Under-voltage protection value: $39/52 \pm 0.5V$

Charger main parameters:

- 1.The input voltage (ac):AC140~240V 50/60 Hz
- 2.The output voltage (dc) : 60-67.2V
- 3.Charging time (the remaining power the case may be) : 4~10 h

Chapter 4 use method and matters needing attention

I . Precautions for safe driving

- 1.Please observe the traffic rules, safety, speed control, please within safe speed (pay attention to the local safe speed within 20 km/h).
- 2.Before driving, familiar with the contents of this manual first, and then find a empty field practice, be sure to complete control of the vehicle driving essentials, familiar with the structure and properties of the local, this is the foundation of safe driving.
- 3.Do not lend or not familiar with and not driving personnel. Single hand or driving after separation, drunk driving is very dangerous.
- 4.Driving rain and snow days to double pay attention to safety, rain and snow day by the damp ground will bring danger!
Therefore, we should avoid high speed, turn to be careful, especially should remember snow day in advance brake in case of accident.
- 5.The correct use of helmet: put a helmet right on his head, and tie-down straps.
- 6.Correct dress: don't wear tights, the whole body to move freely, cuff don't open your clothes, wear low heels as much as possible.
Note: in order to facilitate maintenance, repair and service, our company produces the every car has a frame.
size and motor number, to help sales units to provide you with better service. Inscribed on the base plate of the car chassis number, machine number of engraving on the motor shell cover.
- 7.Cargo can't overweight: default of maximum load of 200 kg.And not slide, the manipulation of the hand feeling is different, too much cargo, hand easy to vibrate out of danger, the vehicle stability load for 1 person, pedal before cargo or manned risk is very big.

II. The correct method of use

1.The driving method

- ① Keep the natural posture, can drive.
- ② Driving posture: please keep this mat in the middle of the, often in case of the front wheel load loss, hand tremor and dangerous.
- ③ Driving posture: turning slowly turn the during acceleration, avoid catching up lead to dangerous drivers gravity instability.
- ④ On the road paved road surface damage or debris should slow down.
- ⑤ Rain and snow weather, road surface wet easy to slide, focus on driving slowly. When the road surface water than pedal the battery box below, please don't ride, avoid the vehicle electric parts damage caused by short circuit. Braking performance will decline at the same time, easy to cause an accident.

2.The way of parking

- ① Attention when parking vehicles and pedestrians around, slowly to the dock flat road on the right side, avoid parked on the ramp.
- ② After the car stopped, lock a right-handed and pull off the power supply, then use locks to lock.

3. The power indicator method of use

Turning on the power supply voltage indicator, full electric LOW \ HALF \ HIGH 3 Led-lights, HIGH lights that electricity used up 75% of the rated capacity, HALF lights charge 25% of the rated capacity, LOW lights flashing indicates that power is less than 10%;So when you find LOW lights flashing charging immediately.

4. The use of the power lock

Power lock key clockwise rotation through a gear, can start the motor., not the keys and shut off the power, more can't counterclockwise shut off the power locks, to cut off the power supply motor stalling. Turn off the power supply after parking, power locks shall be counterclockwise, pull out the key.

5. Hand tube(speed)

Rotate in the direction of the driver is accelerated, relax rotary reduction, power of motor stops after a reset.

6. The use of the disc brake method and matters needing attention

(1) The use of the disc brake

- ① The brake clearance adjustment: turn the adjusting nut by 2 mm Allen wrench (between the brake lever and handlebar tube), adjust the gap of between disk and pads, until you

feel comfortable position is advisable.

② The brake pads wear every six months, more than 1 mm or brake linings on the handle of the location of the adjusting nut has to adjust, you need to change the time; Replace the brake pads, with a clean bottle with a screwdriver to press the one piece of brake pads into, with empty space to take out another piece, after replacement of the new brake pads, need to put the brake on the brake lever adjusting screw back into the right position (you feel comfortable position).

③ Period: It takes time, on the surface of the disc brake break-in to completely after running-in, braking force will increase obviously. New brake used in the first week period, the period not to crush the brake, it would have been on ontology and pads.

7, The use of the charger

(1) Method of use

① When charging, first insert the battery box, and then plugged into mains AC220V plug, charging end, on the other hand, the first grid AC220V plug, pull out the battery box plug again.

② Normal charging, charging indicator light shows red, full of, the charge indicator shows green.

③ If the temperature of the charge temperature, a red light flashing, the charger is in a state of temperature protection, please put the charger moved to a cool and ventilated place to use, when the internal temperature of the charger to charging 60°back to normal.

8, Use method and matters needing attention of the battery

(1) Charging

① Be sure to use the company specially equipped with the charger to charge; Informal or unqualified charger, can lead to shorten the battery life or battery failure!

② Completely discharge the battery stops (electric) can be down more than 95% of the electricity in 5 hours, 8 hours 100% into electricity.

③ Charging, banned direct contact with metal is negative at both ends.

④ Load products, electricity about 80% of new car should be added before use electric 3 ~ 10 hours.

⑤ On hold for more than a month, the battery charge capacity will reduce about 5%, it is recommended to use before charging.

- ⑥ Please charge in time, to ensure the mileage.
- ⑦ All landowners in the process of charging, the charger may be fever, as long as the temperature is not more than 60 °C, that is normal.
- ⑧ When charging, please put the charger and the whole car to stable, dry, no inflammable, explosive, and out of the reach of children.
- ⑨ Ruby completely discharge the battery within 24 hours after have to recharge the battery, and charging time at least 3 hours.
- ⑩ Attending charge shall not be short circuit.
- (2) The discharge (use)
- ⑥ Ban modification on batteries.
- (3) Note
- ① Battery deformation or heat is found, should stop to use, and to the company or the maintenance department for help.
- ② Such as a fire, do not use water directly to the battery fire extinguishing, the proposal USES sand covering, foam fire extinguisher and thick cloth soaked with water and the fire extinguishing methods of dealing with organic solvent.
- ③ Because there is no timely to completely discharge the battery charging battery failure caused by not warranty.
- ④ Cannot be arbitrarily discarded batteries.

III. Inspection, cleaning and maintenance

1. On a regular basis or daily check item

- ① Note on the vehicle in a safe location.
- ② Abnormal position the day before, to see whether affect operation.
- ③ Brake braking effect: the brake handle modest fashion is downy, clearance, whether can normal braking.
- ④ Crack, damage, abnormal tyre wear, as well as metal, stone, glass and other sharp

objects embedded; The depth of the grooved tyre, tires on the convex block has to be new tires when you wear off two-thirds; According to the situation of tire contact with the ground part of the sag, check the tire pressure, normal pressure values before and after the tire is 1.5 kg/cm².

⑤ Power voltage indicates whether or not the full check article 3 (in chapter 4, paragraph 2).

⑥ Steering system check: up, down, forward, backward, left, right handlebar and front fork, elastic moderate, flexible steering, if there is a touch attack clattering sound, loose steering system, a sound and other issues, please contact with dealers, to provide you with the most perfect after-sale service.

⑦ Front and rear axle is loose.

IV. Common faults and elimination method

No	Performance	Reason	Solution
1	Speed regulation failure or maximum speed reduced	①The battery voltage is too low; ②Speed control to turn the failure; ③Transfer speed in the spring stuck or failure;	①Full of battery; ②Looking for distributors to replace;
2	The motor power does not work	①The battery's connection is loose; ②Speed control to turn the failure; ③The motor output line is loose or damage;	①Reconnection; ②Looking for distributors to replace; ③Maintenance;
3	Lock of mileage range	①Tire pressure is no sure; ②Under charge or charger malfunction; ③The battery aging or damaged; ④Complex road conditions;	①Make sure of tire pressure; ②Full of charge or replace the charger; ③Replace the battery; ④Cycling conditions change is back to normal;
4	The charger is not working	①Socket and plug connection is loose; ②Battery compartment within the fuse blew out; ③Cable fall off;	①Make sure of socket and plug; ②Replace the fuse; ③Welding the cable;
5	Other	Cannot determine the fault	Looking for distributors or professional maintenance depot

Chapter 5 Electrical Principle

