USER'S MANUAL

Read this manual completely before riding your electric tricycle

CONTENTS

FOREWORD

This product is designed for transportation and is environmental friendly. Below are the characteristics and advantages of the electric scooter.

* High-efficient brushless DC motor.
* Digital controller with indicator and protection from over voltage and under voltage.
* Brake system with power cut-off ability to ensure safe riding.
* Sealed Lead acid battery with high performance offering stronger current and longer distance for drive.
* Front and rear suspension system providing a smooth and comfortable riding.
* If you choose our electric tricycle, you will have the double guarantee of quality and safety.
* In order to facilitate your purchase,maintenance use, please read this manual carefully.
* Please operate after fully understanding the basic performance and attention points of the vehicle, so as to avoid damaging vehicle parts and affecting personal and property safety.
* The product drawings in this manual are used as examples,and the specific vehicle type and configuration are subject to the real object.

RIDING SAFELY

General Rules

- Don’t use the electric car until you read the manual carefully and understand the performance of the electric tricycle; Don't lend it to people who can't operate the electric tricycle. For the safety of you and others, please drive carefully, consciously abide by the traffic rules and drive in the non motorized lane.
- Slow down the vehicle speed in rainy and snowy weather or bad road conditions.When braking, it is necessary to make a point brake and then stop. Slow brake to prevent side slip. Increase the braking distance appropriately to ensure safety.
- This tricycle is not afraid of rain, but it can't get into deep water. When the water level exceeds any one of the motor shaft controller or circuit, it may cause short circuit and damage electrical components. Please pay attention. Cut off the power supply in time and wipe it clean after deep water. Do not ride until it is dry. Before driving, check whether the front and rear brake systems work normally. If there is any problem,please repair it immediately.
- When riding obey the same road laws as all other road vehicles, including giving way to pedestrians, and stopping at red lights and stop signs.
- The maximum load of the vehicle is shown on the vehicle nameplate. Please do not overload the vehicle to avoid overloading the electric vehicle. When riding, avoid driving at high speed on uneven road surface to prevent tire burst and rim deformation, which will endanger your safety.
- Ride predictably and in a straight line. Never ride against traffic. Ride defensively. To other road users, you may be hard to see. Use correct signal lights to indicate turning or stopping.

- Concentrate on the path ahead. Avoid potholes, gravel, wet road markings, oil, curbs, speed bumps, drain grates and other obstacles.
- Please keep the proper air pressure in the tire, so as not to increase the resistance,increase the tire wear and energy consumption, and affect the mileage.
- Expect the unexpected such as opening car doors or cars backing out of concealed driveways. Be extra careful at intersections and when preparing to pass other vehicles.
- Familiarize yourself with all the scooter's features. Practice signal lights, braking and the use of horns.
- Don't carry packages or passengers that will interfere with your visibility or control of the scooter. Don't use items that may restrict your hearing.
- Maintain a comfortable stopping distance from all other riders, vehicles and objects. Safe braking distance and forces are subject to the prevailing weather conditions.

Wet Weather

- In wet weather you need to take extra care.
- Brake earlier, you will take a longer distance to stop.
- Decrease your riding speed, avoid sudden braking, and take corners with additional caution.
- Be more visible on the road.
- Wear reflective clothing and use safety lights.
- Potholes and slippery surfaces such as line markings and train tracks all become more hazardous when wet.

Night Riding

- Ensure that the front lights are on.
- Wear reflective and light colored clothing.

Ride at night only if necessary. Slow down and use familiar roads with street lighting, if possible.

CAUTION: Modification is illegal. A modified vehicle will affect its structure or performance, which will result in shortening the vehicle's life. Modified vehicle will not covered by warranty. It is necessary to buy original spare parts from authorized dealers. No guarantee can be provided either for quality or durability when buying not original spare parts from the market.

TECHNICAL INFORMATION

Model name	: T-Q5
Product size	: 1500 (L) × 710 (W) ×1065 (H) mm
Wheelbase mm	: 1020 mm
Product Weight	: 110kg
Carrying capacity	: 150kg
Single charge	: Approximately 50km
Max speed	: Approximately 32 km/h
Motor power	: 1000W
Battery	: 60V20AH
Battery type	: Lead acid battery
Life of storage battery	: Approximately 300 cycles
Charger input	: AC 220V or 110V (optional)
Charging time	: 6-8 hours
Charger output	: 60V3A
Tyre size	: 3.00-10

PRODUCTION INTRODUCTION

Instruments and indicators

1. Speed meter: indicates the speed and mileage of the vehicle per hour.

2. Direction indicator: when the turn signal switch is left or right, the direction indicator will flash correspondingly.

3. Headlamp beam indicator: when the headlamp beam is turned on, the indicator will be on.

4. Electric quantity display meter: when the pointer of the electric quantity meter is in the green area, it means that the electric quantity is sufficient; When the pointer is in the red area,it means that the power is gradually reduced; When the pointer is in the last red area, it indicates that the power is insufficient and should be charged in time.

Power switch:
When the key is turned to the "○" position, the circuit is on , the vehicle can run and the key can not be pulled out.
When the key is turned to the "⊗" position, the circuit is off, the vehicle can not be used, and the key can be pulled out.

Left control system

1. Front light switch:when the headlight switch is on the " ☼ " position, turn on the headlight near and far light.

2. Light off switch: when the headlight switch is on the " ● " position, the headlight is off status.

3. Turn signal switch: when the electric vehicle needs to change the driving direction, turn the left or right signal switch "⇦⇨" to change the direction signal light.

4. Horn button: when the electric vehicle needs to sound warning, please press the horn switch " 📯 ".

Right control system

5. ”D” and ”R” switch: If you want to drive forward, please press the ”D” switch button, if you want to reverse the vehicle, please press the ”R” switch button.

6. Speed level switch: You can choose the different speed level to drive the vehicle through the switch ” 1 2 3”, ”1” is slow level, ”2” is normal speed, ”3” is high speed.

Other device

USB port: Connect your mobile phone to the USB port to charge it.

Driving control system

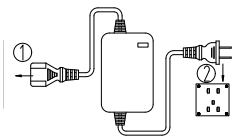
1. Right accelerator:when the power key is turned on, twist the throttle inward rotation angel slowly, the vehicle will move .

2. Foot brake system:Press the foot brake pedal to slow the speed and stop the vehicle safely.

Charging the battery

The Power Switch Lock must be in the Off position when the electric scooter is being charged.
It is using 62V Lead-Acid battery. You should charge your electric scooter after each ride. You must charge your electric scooter if it has not been used for 30 days or more. Recharging time is between 5-7 hours.

Turn off the scooter by pointed the key to "⊗". Insert the output plug to the charging socket of the scooter（refer ①）and connect the input plug to the wall socket (refer ②). The battery in fully charged when the charger indicator shows green. Suggest giving extra 1-2 hours charging time to achieved better battery condition. Remove the charger input plug follow by the output plug when completed charging.



Warning：
For safety, please use the exclusive charger to charge the battery. Please follow the charging instruction.

RIDING POINTS

Check below spare parts before riding the scooter:

A. checks tire condition such as worn-out or break.

B. checks the transmission system condition.

C. checks tire pressure.

D. check bugle and rear reflector condition.

E. checks all the standard spare parts such as nuts and screws if tighten well. Check if the brake cable lanyard functions in smooth condition.

F. charging battery when not regular drives the scooter. To prolong the battery life, charging should do in each 15days during summer and 30days during winter.

G. Checks all the lighting system.

MAINTAINANCE AND ADJUSTMENT

Regular maintenance

Because electric vehicles in the process of driving, electric vehicles will produce varying degrees of looseness and mechanical wear, if not regular maintenance, will lead to the decline of power economy, reliability, safety of electric vehicles, but also shorten the service life of electric vehicles, so the driver of electric vehicles must carry out the correct regular maintenance of electric vehicles, to ensure the best performance of electric vehicles. Through the correct regular maintenance, we can remove obstacles in time, extend the service life of electric vehicles, reduce maintenance costs, and achieve the purpose of safe driving of electric vehicles. Electric vehicle maintenance has the following requirements:

1. Keep the motor differential clean, no oil leakage, good acceleration performance and dynamic performance,no abnormal sound.
2. Ensure that the speed regulating handle can rotate freely without sticking.
3. Ensure that the operation of the brake handle is light and flexible, and the braking effect meets the requirements.When the brake is released,the brake shoes reset automatically and the sliding performance of the friction free motor is good.
4. The front and rear shock absorbs are stable and reliable,the tire pressure is normal,and the electrical parts of each part work normally.

5. There is no looseness in the connecting fasteners of thewhole car, and the appearance of the whole car is clean and tidy.

6. Each lubricating point is fully lubricated without oil leakage.
7. The battery connection is not loose and the fixation is reliable.

Daily check

The condition of vehicles may change everyday. In order to ensure driving safety, the following items should be checked before driving every day:

1. Operation of indicator lights and instruments;
2. Working condition of lighting system;
3. Working condition of horn turn signal lamp;
4. Brake pedal travel;
5. The travel of horn parking brake handle;
6. Tire pressure and wear condition;

Check and adjust the front brake

The brake is directly related to personal safety, so it should be adjusted regularly;

Inspection of leaf spring

Replace the damaged leaf spring pin bushing in time. Before use or after reassembly of the new vehicle, every. 200 km interval shall be inspected under the loading condition u Tighten the nut evenly and repeat 2-3 times.

Inspection of front shock absorb

During use, the shock absorb shall be inspected carefully. If there is any damage or failure, it shall be replaced in time. Clean the front fork handle regularly.

Inspection of tire

The correct use of tire pressure can ensure the comfort and stability of electric vehicle driving, and extend the service life of the inner and outer tires of electric vehicle. The tire pressure should be checked frequently and adjusted according to the needs.

Before driving, check the tire pressure when the tire is "cold", and check whether there are cutting marks, nails or other sharp objects embedded in the tire. Check the rim for dents or deformation.

Warning：

Improper tire inflation will cause abnormal tire wear and lead to safety, accidents. Low tire pressure will cause tire slip and affect vehicle mileage.

Rear bridge maintenance

After the vehicle has been running for 250km (about a week), drain all the lubricating oil in the rear axle differential, add gear oil again. After 500km (about two weeks), the above maintenance shall be performed; after 1000km, the third maintenance shall be carried out every 3months. The lubricating oil in the rear axle differential shall be replaced.

Inspection and maintenance of battery

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

① Do not dismantled or dispersed the battery cells.
② Keep away the battery from children.
③ 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.
④ Prohibited battery dip in the water.
⑤ Prohibited placed the battery in the temperature over 60°C next to the high-temperature heat source, such as ingle, heating, etc.
⑥ Prohibited knock on, throwing and trample the batteries, etc.
⑦ Prohibited edge tool or nails lacerate and cut through the battery.
⑧ If the leak occurred, electrolyte has come into the eyes, please do not rub. Wash immediately with plenty of water.
⑨ If the battery in smell, heat, smoke, changed colors, distortion or any abnormal, stop using the battery and away from it immediately.

Motor and controller maintenance:

1. During raining season, do not let the water go over the motor center line. This is to protect motor from burnt and broken.
2. Do not press both brake lever and accelerator when starting the motor to prevent damaging other parts.
3. Slow down the scooter when the road condition is not good. High librations will interrupt the electrical parts connection.

Regular maintenance:

check● adjust◆ replace▲ lubricate ■

Parts to be tested	Daily	60days	180days
1.accelerator		●■	●■
2.turning parts		●■	●■
3.tire and full set of bulbs	●		
4.chain		●	●■
5.brake shoes			◆
6.rims		●	●
7.front fork		●	●
8.brake	●	●◆	●◆
9.horn, charger and battery	●		

CAUTION: Never try to take apart or repair the scooter by yourself.