



OULO-Electric Moped

<https://www.ouloobikes.com/>



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Intelligent electric bicycle

User's Manual

Notice:

Do not use the electric bicycle before carefully reading the instruction manual and understand the performance of the electric bicycle, and please keep the instruction manual properly.

Preface

Dear user friends:

Thank you for choosing to purchase "far-reaching" products. Our company and all staff extend our sincere welcome and heartfelt thanks for your choice.

This "Instruction Manual" introduces you to the safety precautions, main performance parameters, vehicle structure, pre-driving inspection, inspection, maintenance and repair, fault phenomenon and elimination, after-sales service, and warranty coverage, so that you can operate easily and freely. This product, to ensure your safe driving on the road.

In order to effectively protect your car and make it as convenient as possible to use your car, when you find a problem that cannot be solved by yourself or need to replace parts, please contact the after-sales maintenance department of the dealer or purchase the original parts from our company. In addition, when you purchase the company's products, please fill in the "User Warranty Card" completely and clearly, keep the "User Stub Copies" properly, and deliver the other two copies to the dealer so that we can contact and serve you in time.

The appearance, configuration, and color of the product shown in this "Instruction Manual" are for reference only, and the actual product shall prevail.

Safety Precautions

Dear users, for the safety of you and your family and to prevent accidents, please be sure to read and abide by the following safety precautions and relevant laws and regulations:

WARNING: Personal injury may result if this warning is ignored, and special warnings about what to do or what not to do.

NOTICE: Failure to follow this instruction could result in damage to the vehicle and its equipment or malfunction.

Driving Safety

Please read this book carefully before using the vehicle

"Instruction Manual", does a good job of inspection before driving to ensure the safety of riders.

1. It is strictly forbidden for persons under the age of 16 to drive electric bicycles on the road.
2. Electric bicycles should be driven in non-motorized vehicle lanes, and the maximum speed should not exceed 15 km/h; on roads without non-motorized vehicle lanes, they should drive on the right side of the roadway.
3. Do not lend electric bicycles to people who can't handle them to avoid injury.
4. Electric bicycles should carry people or items in accordance with laws and regulations.
5. When riding, wear helmets, goggles, and other protective equipment that meet safety standards correctly, and wear clothing that is bright, free of body movement, not tight, and not open cuffs. Jackets, boots, trousers, gloves, etc. are effective protective clothing against chafing and are recommended to be worn properly. Do not wear loose clothing to avoid danger from being caught by moving parts.
6. When riding in rain or snow, the braking distance will be extended, which is prone to side slipping, so please slow down; try to avoid travel in bad weather such as heavy rain; turn on the headlights when driving at night.
7. When driving, do not answer/call, listen to music without headphones, etc. Drive in the designated lane, don't cross the lane, don't run a red light, don't go wrong, don't change speed suddenly; try to brake as little as possible, don't take your hands off the handlebars or hold objects in your hands, don't laugh, push, chase, or make trouble with others; don't tow while riding, Climbing motor vehicles.
8. Slow down and drive slowly through the intersection, pay attention to pedestrians, and vehicles, do not rush ahead, observe the road conditions of the front and rear, left and right, and confirm that it is safe to move forward. When turning, slow down in advance, turn on the turn signal, and make sure that there is no danger behind you before turning.
9. Those who are prone to sudden diseases such as mental illness or history of mental illness, high blood pressure, heart disease, hernia, post-concussion sequela, epilepsy, vascular disease, and deaf and dumb people are prohibited from driving on the road.

Safe to Use

1. Vehicles are not allowed to park in the building foyer, stairwell, evacuation passage, aisle, or safety exit, and are not allowed to occupy the fire exit. There are no combustibles, fire sources, electric heating, and gas equipment around the park.
2. Electric bicycles should not be charged and parked in residential buildings and should be kept away from combustibles when charging, and the charging time should not be too long.
3. Batteries should be properly used and maintained in accordance with the methods required by the battery manual. Waste batteries should not be disassembled without authorization, and should be recycled by relevant professional departments.
4. The charger should be properly used and maintained according to the method required by the charger's manual; please read the charger warning carefully before use; the charger should be

replaced with the battery model.

5. Before washing the electric bicycle, you should understand the contents of "Washing Precautions" in the manual.

6. When adjusting the handlebars or saddles, care should be taken not to expose the safety line markings of the handlebars and saddles (if applicable).

7. Before driving, check whether the power circuit, lighting circuit, etc. are in normal state; whether the front and rear brakes work normally; the handlebars and front and rear wheels are fixed; the air pressure of the tire; whether the reflector is damaged or polluted, etc. If there is any abnormality, please contact the far-reaching dealer or after-sales maintenance department in time for maintenance.

8. For new car battery installation and old car battery replacement, professionals must install and replace the battery according to the schematic diagram of the whole vehicle, battery installation diagram and electrical schematic diagram in the manual; when replacing the battery, the battery connection line should be replaced at the same time and not reused. Use the company's original accessories. Do not place the battery sideways or upside down.

9. Dealers and users are prohibited from wiring or modifying the structure and performance of vehicles without permission. It is forbidden to modify the vehicle, especially to change the battery capacity, and voltage, increase the maximum speed of the vehicle and avoid danger. It is not allowed to illegally modify electric vehicles and use substandard batteries and charging equipment.

10. It is forbidden to touch the live parts of the electric bicycle with wet hands and metal conductors, such as the battery box socket, the battery box connection socket and the charger power plug, and other parts. Strictly prevent water from entering the electrical parts; when cleaning the vehicle, avoid water impacting electrical components such as charging sockets, wiring harness connectors, and fuse tubes, and do not splash water directly into the storage box.

11. When replacing the fuse, the fuse of the specified type and specification should be used. It is strictly forbidden to short-circuit the wires without adding a fuse. The fuse should be in good contact with the card slot. If it is loose, it may cause the fuse to heat up and cause an accident.

12. Do not put flammable, explosive, and other dangerous goods, items with low heat resistance, liquid food, and wet rain gear into the storage box.

13. Do not use chargers of other brands and specifications to charge; it is also not allowed to charge other electric bicycles with the chargers provided by the company.

15. When charging, first connect the output plug of the charger with the charging jack of the battery, and then connect the input plug of the charger to the AC power supply.

16. The battery and the charger being charged should be placed in a safe place out of reach for children. There should be no flammable and explosive materials around. It should be ventilated and dry. It should not be charged in the open air. Accidents such as electrical short-circuit and fire caused by factors such as rain; it is forbidden to use the charger in an environment that is unstable, excessive oil fume and dust, humidity, and direct sunlight; do not connect the charger during thunder and lightning. When charging, the battery and charger should not be covered with anything, and the charger should not be placed on the saddle, so as to avoid accidents that affect the heat dissipation. Do not charge the battery at home. Do not connect the charging line indiscriminately or

Charge the vehicle for a long time.

17. During the charging process, if there is an odor, the temperature is too high, the indicator light of the charger still does not turn green after charging for more than 10 hours, or the battery is bulging, please stop charging immediately, and send it to the dealer or after-sales maintenance department. Repair.

18. Electric bicycles should be kept away from heat and fire sources when parking or charging, and should not be parked in the storage places of flammable, explosive, corrosive, and other dangerous goods, as well as in shops, warehouses, and utility rooms. When parking the vehicle and charging, turn off the electric door lock and remove the key.

19. Parking and charging are not allowed in group rental houses and crowded places.

20. Do not disassemble electrical components without authorization. Maintenance by non-professionals is strictly prohibited. If there is a fault, you should go to the dealer or after-sales maintenance department for maintenance.

Notice

The driving speed at night should be lower than that during the day, and drive as close to the center of the road as possible to the right.

The distance is generally more than 50 meters. You should be able to change the lights and correctly judge the road conditions. Basically, you should drive with high beams. When you find vehicles, bicycles and pedestrians on the opposite side, you should slow down and switch to low beams. If the lights are dazzling, you should drive on the right edge of the road immediately, and if necessary, you should take the initiative to stop to avoid it.

Vehicle Structure Diagram



F60



DS81



Notice

The company reserves the right to change the appearance, accessories and dimensions of the vehicle. Please understand that any relevant parameters will be adjusted without prior notice.

Product Parameters

Electric bicycle key technical figures			
model name	F6		
Key technical figures	Appearance size (length*width*height)	MM	1660*680*1035
	Front/rear wheel center distance	MM	1200
	Vehicle weight	KG	≤60
	Top design speed	KM/H	25
	Cruising distance	KM	30~80
	100KM power consumption	KW. H/100KM	2.01
	Carrying capacity	KG	75
Key technical figures for batteries	Battery type		
	Volume	AH	15~30
	Voltage specification	V	60/72
Main technical values of the motor	Motor mode		
	Rated rotation speed	R/MIN	400
	Output standard	W	400
	Voltage specification	V	60/72
Controller Key Technical Values	Overvoltage protection value	V	51±1
	Overcurrent protection value	A	28±2

Electric bicycle key technical figures			
Model name	S1		
Key technical figures	Appearance size (length*width*height)	MM	1710*700*1055
	Front/rear wheel center distance	MM	1220
	Vehicle weight	KG	≤60
	Top design speed	KM/H	25
	Cruising distance	KM	30~80
	100KM power consumption	KW. H/100KM	2.01
	Carrying capacity	KG	75
Key technical figures for	Battery type		
	Volume	AH	15~30
	Voltage specification	V	48/60

batteries			
Motor main to skills	Motor mode		
	Rated rotation speed	R/MIN	400
	Output standard	W	400
	Voltage specification	V	48/60
Controll er Key Technica I Values	Overvoltage protection value	V	42±1
	Overcurrent protection value	A	23±2

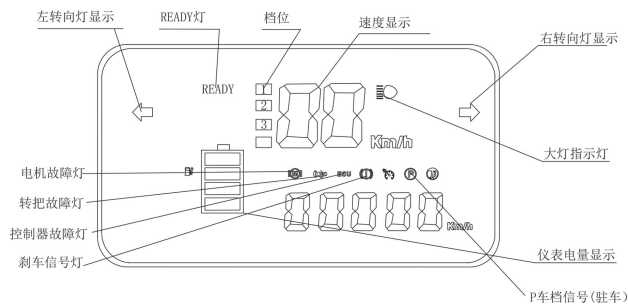
Electric bicycle key technical figures			
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Instructions

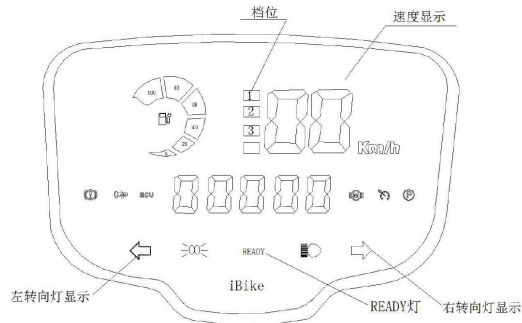
Use of the instrument

A power display instrument panel is installed above the handlebar, which can instantly display the current remaining power. In order to ensure the life of the battery, please charge it in time when the power indicator reaches the red area or the power indicator flashes.

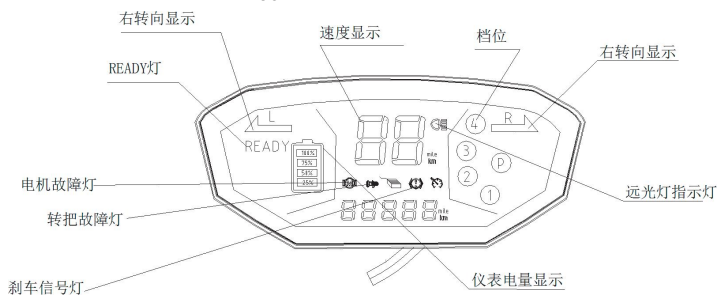
Type F6 Instrument Panel



seagull-type Dashboard

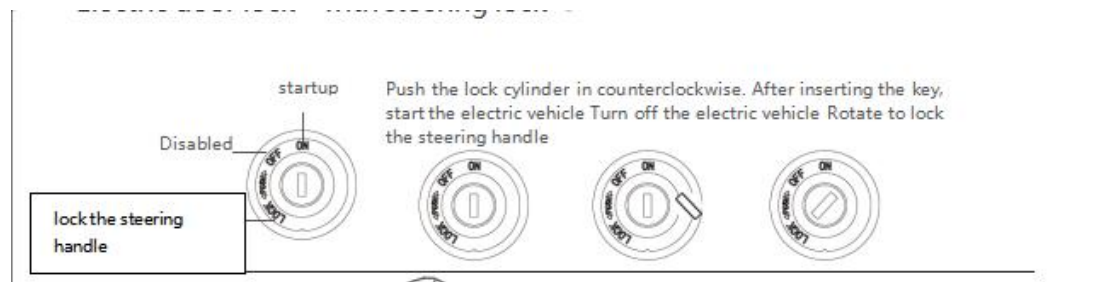


Dashboard Type S1

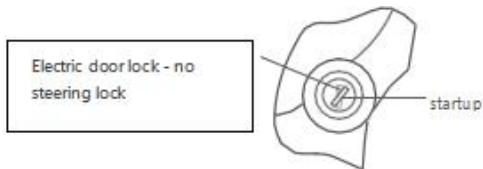


The use of electric door locks

Electric door lock - with steering lock



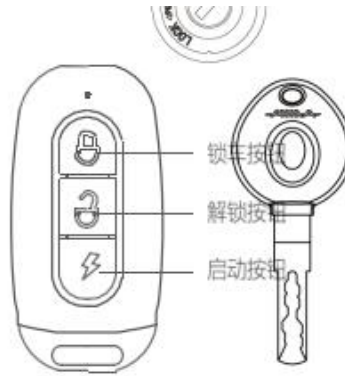
Electric door lock - no steering lock



Start mode 1: Insert the key into the power switch, turn it clockwise by one gear to turn on the power and enter the driving state, and turn it counterclockwise to turn off the power.

Start method 2: Press the start button on the remote control for two

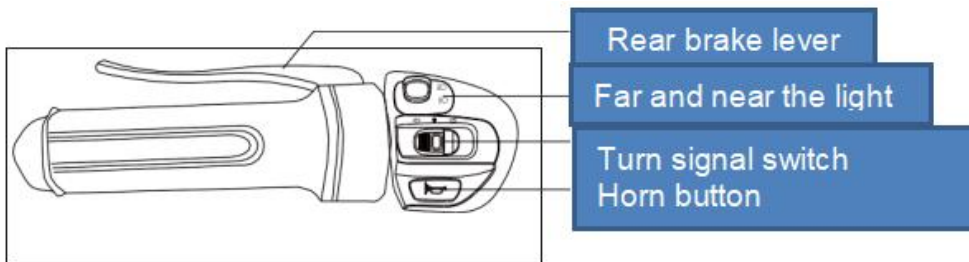
Next, turn on the power and enter the driving state.



遥控器

钥匙

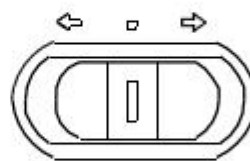
Left combination switch
Left combination switch



远近光灯开关:按下上侧为开启远光灯,按下下侧为开启近光灯。



转向灯开关:向左拨为开启左转向灯,向右拨为开启右转向灯。按钮复位即关闭左/右转向灯。



喇叭按钮:电源开启后按下喇叭按钮,喇叭即响。



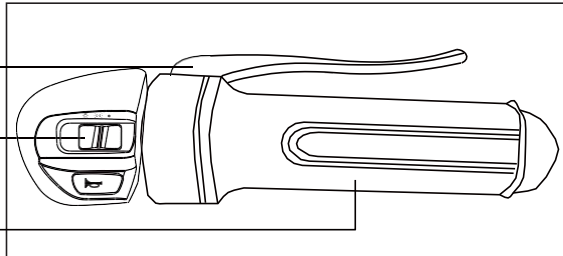
Instructions

Right combination switch

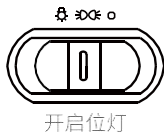
Front brake lever

Headlight switch

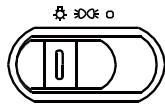
Speed control handle



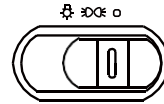
Turn on the headlights: push the 1st gear left to turn on the position light, push the 2nd gear left to turn on the headlights; push the right to turn off the headlights



Turn on the light



Turn on the headlights



Turn off the headlights

Speed control handle: Turn the speed control handle (right-hand handle) inward and counterclockwise, the vehicle starts to start, the rotation angle of the speed control handle is from small to large, and the corresponding speed is from slow to fast.

Brake operation

When braking, directly hold the front brake lever or the rear brake lever to power off the brake. After braking, release the brake handle and turn the speed control handle to restart the vehicle. When the braking force is too large and the tire is locked, please loosen the brake lever, the tire will resume operation and stabilize the body. Once the front wheels are locked, the steering ability will be completely lost.

On slippery roads, try to maintain a 1:1 front-to-rear braking force as much as possible.

Inexperienced drivers tend to use only the rear brakes, which will cause accelerated wear on the brakes and make stopping distances too long.

warn

Using only the front brake is dangerous and can cause slippage or loss of control. Use the brakes with extreme care and gentleness on wet roads and other slippery surfaces and in all corners.

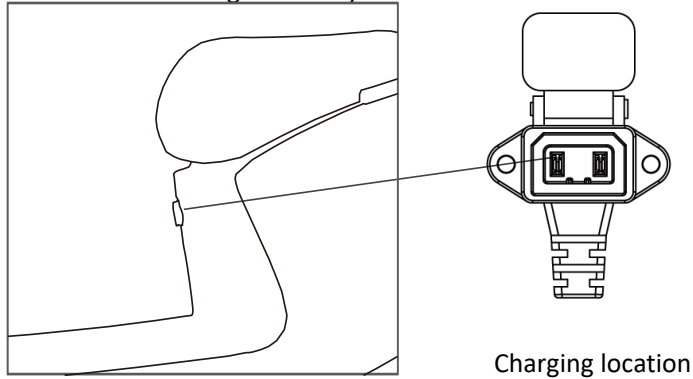
Using the brakes to brake suddenly is especially dangerous.

Cruise control (if any)

After the normal driving speed is stable, press and hold the cruise button for 3-5 seconds to enter the constant speed state.

Charging Method

The vehicle can be charged directly on the vehicle



Please turn off the power and remove the key. Open the protective cover of the charging hole, insert the output end of the charger into the charging socket, and insert the input end into the 220v power socket.

1. When the input and output terminals of the charger are connected, the indicator light of the charger will emit red light, indicating that the power supply is connected and charging.
2. According to the remaining power of the battery, the charging time is 8-10 hours, and the indicator light of the charger turns green to indicate that the battery is fully charged, and the charging should be terminated.
3. When charging, connect the battery first and then turn on the power supply. This process is irreversible; after charging, cut off the power first, and then disconnect the battery from the charger. Avoid generating electrical sparks that could cause injury.
4. It is strictly forbidden to charge the battery over time (do not exceed 14 hours), reasonable charging will ensure battery life.
5. Please use a special charger for far-reaching, so as not to damage the battery.
6. Charger types and applicable voltages are strictly prohibited. It is strictly forbidden to use any non-professional dedicated fast charging device to charge.
7. When charging, do not put the charger on the saddle, so as not to affect the heat dissipation effect of the charger during the charging process.
8. Be sure to close the electric door lock when charging, so as to avoid accidental injuries such as speeding caused by the unintentional turning of the speed control knob during charging.
9. There is a high-voltage circuit inside the charger. It is strictly forbidden to disassemble or repair the charger by yourself. If the above behavior occurs, the charger will not enjoy the warranty service, and our company is not responsible for other adverse effects caused by it.
10. Do not place the charger in the seat bucket or trunk of the vehicle for charging.

Inspection Before Driving

Warn

1. It is strictly forbidden to use conductors or limbs to touch the electrodes of the charging port to avoid harming the human body.
2. It is strictly forbidden for the charging port of the battery to enter the water, so as to avoid short-circuit damage to the battery or the whole vehicle.
3. It is strictly forbidden to take electricity from the charging port (such as external lighting bulbs), and test the power (such as electric vehicle riding through the power supply of the charging port). Otherwise, the fuse of the charging port will be burned, resulting in an open circuit of the charging circuit, or even damage to the circuit.
4. The special charger for Yuanyuan is for indoor use. Please use it in a dry and well-ventilated environment with shelter. And keep it in a safe place out of the reach of children. It is strictly forbidden to charge in an environment of lampblack, dust, confined space, hot sun, high temperature, rain, and humidity.
5. Vehicles should not be charged and parked in corridors or at home in residential buildings.
6. During the use and storage of the charger, pay attention to avoid the entry of foreign objects, especially to avoid the inflow of water or other liquids, so as to avoid a short circuit of the charger. Chargers are prohibited from being carried in the vehicle.
7. During the charging process, if the indicator light is abnormal, there is a peculiar smell or the charger shell is overheated, please stop charging immediately and send it to the local dealer for after-sales maintenance or replacement.
8. When the green indicator light of the charger is on, please cut off the power supply, do not overcharge, and it is strictly forbidden to connect the charger to the power supply without a load for a long time.

Inspection before driving / inspection before riding, if there is any abnormality, please repair in time or seek professional repair.

Tire inspection

1. Is the tire pressure normal? According to the depression of the grounded part of the tire, judge whether the air pressure is appropriate. If the air pressure is abnormal, check it with a tire gauge and adjust it to normal pressure. The normal tire pressure of this vehicle is $250\pm 5\text{kpa}$.
2. Whether the tire is cracked or abnormally worn.
3. Whether there are nails, stones, or glass embedded in the tread groove.
4. When the tire is used to the tread wear mark, the tire should be replaced.

Lighting installation, brake power off, turn indicator inspection

1. Turn on the power, operate the lighting switch and the high and low beam switch, check

- whether the headlights and taillights are on, and whether the headlights are normal.
2. Check the front and rear brake levers respectively to see if the power is off and whether the rear brake lights are on.
 3. Operate the turn signal switch and check whether the turn indicator is working normally.

Warn

Lighting will affect the observation of road conditions and pedestrians at night, as well as the observation of oncoming vehicles. The taillights can interfere with the view of the car behind. The brake lights and turn signals (if any) will prompt the rear car to clearly understand the driver's intention and avoid danger.

Inspection, Maintenance and Repair

Dear user friends:

In order to prolong the service life of the vehicle and enable it to drive safely and comfortably, please check and maintain it regularly. When the vehicle is stagnant for a long time, it should also be checked regularly.

When a new car drives 300 km, it needs to be checked and maintained.

Preparation before inspection

1. Please choose a spacious and flat place with double support.
2. Check whether the power supply can be used normally. Status of the power circuit, lighting circuit, etc.
3. When the driving inspection is required, it should be carried out in a safe place. Pay attention to the surrounding safety and eliminate abnormality before driving.
4. Whether the vehicle reflector is damaged or contaminated.
5. If it is difficult to solve it by yourself, you can entrust the far-reaching dealer or the after-sales maintenance department for inspection.

Image inspection of rear view mirrors (if any)

1. Check the rear view mirror for dirt and damage, keep the mirror surface clean, and replace it in time if it is damaged.
2. From the driver's position, observe whether the rear view mirror can see the road conditions behind and on the side respectively.

Reflector, license plate inspection

1. Check whether the reflector is stained or damaged. If it is stained or damaged, it cannot be

used.

2. Check whether the license plate is installed firmly, whether the number is clear, and whether there is dirt or damage.

Handlebar Steering Inspection

1. Shake the handlebar to check for any abnormal noise, and check the handlebar, front fork, and shock absorber for deformation, bending, cracks, and other abnormal phenomena.

2. Check the hydraulic front fork and shock absorber for oil leakage and other abnormal phenomena. If there is any abnormality, please go to the far-reaching dealer or the far-reaching after-sales maintenance department for inspection and maintenance.

3. Shake the handlebar to check whether the front fork has any abnormal noise or movement. If there is any abnormality, please go to the far-reaching after-sales maintenance department for

Inspection of handlebars

1. Swing the handlebar up, down, front, back, left, and right to see if there is any looseness. 2. Check if the handlebar is too tight.

3. Shake the handlebar to check whether the front fork has any abnormal noise or movement. If there is any abnormality, please go to the far-reaching after-sales maintenance department for inspection and maintenance.

Wheel inspection

1. Check whether the wheels rotate smoothly, whether there is abnormal noise, and whether the front and rear wheel fixing screws are tightened.

2. Check whether the wheel rim is deformed or cracked. If there is any damage, please go to the far-reaching dealer or after-sales maintenance department for inspection and maintenance.

Brake inspection

1. Whether the idle stroke of the brake handle is within the specified range, the idle stroke of the drum brake handle is generally 10-20 mm, the idle stroke of the hydraulic disc brake handle is generally 5-10 mm, and the idle stroke of the brake pedal is generally 10-20 mm. Generally 20-30 mm. The measurements are known, and if not, they should be adjusted.

2. Drive at low speed on dry and flat roads, use the front and rear brakes respectively, and check their respective braking effects. The brake lever or brake pedal should reach maximum braking effect within 3/4 of full stroke. When the force is stopped, the braking force should disappear along with it, and there should be no self-braking during driving.

3. When the brake pads are seriously worn or worn to the wear mark, they should be replaced in time.

Notice

If you do not have special mechanical tools and measuring instruments, please go to the dealer's after-sales maintenance department for inspection and replacement. Do not disassemble it before you master the technology to avoid damage to other parts.

Inspection Before Driving

Tire inspection

When the tire is cooled, check whether the tire pressure is appropriate, whether there are sharp objects such as nails, glass, etc. on the tire surface, and whether there is a large area of cracks or wear.

Inspection of tire groove depth

Check the tire wear, check the depth of the grooves, and replace the tire when the tire is used to the tread wear mark. When the tires are abnormal, please go to the after-sales service department of the dealer to check or replace the tires with new ones. The recommended rear-wheel tightening torque is 55~65 N.m, and the front-wheel tightening torque is 45~55 N.m.

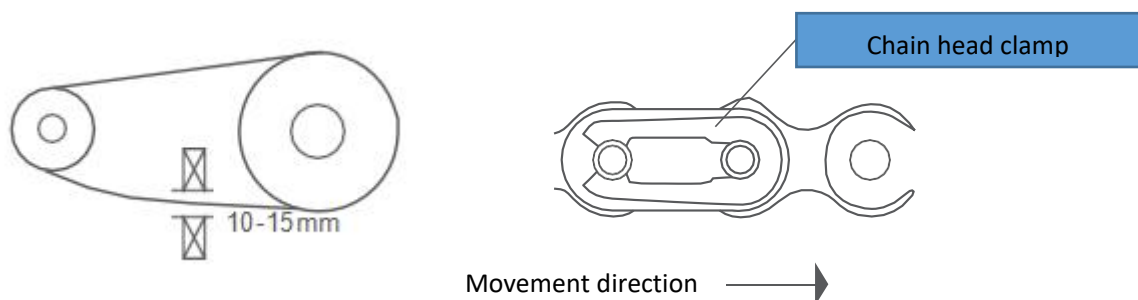
Warn

Abnormal tire pressure, tire cracks, damage, and abnormal wear are all causes of steering failure and tire explosion.

Chain inspection

Loosen the rear axle nut first and turn the adjusting chain nut to the left or right to correct the slack of the chain. When adjusting the chain, the front and rear sprockets must be aligned to form a straight line. After the adjustment, re-fix the rear axle nut and lock the wire drawing nut, so that the upper and lower movable distance of the loose edge of the chain at the midpoint of the two sprockets is 10 -15 mm.

The open end of the chain head clamp should be installed away from the direction of movement



Daily Maintenance

Lubrication part and cycle

NO	Lubrication part	Lubrication cycle	Recommended lubricating oil
1	Front fork joint	one year	Butter (calcium based grease)
2	Front and rear axles	one year	Butter (calcium based grease)
3	central axis	one year	Butter (calcium based grease)
4	Pedal shaft	one year	Butter (calcium based grease)
5	sprocket	a week	lubricating oil
6	Chain	a week	engine oil
7	Inside the flywheel	a month	lubricating oil
8	Brake lever	a month	lubricating oil

WARNING: Do not fill the brake with oil, otherwise the brake will slip and the braking ability will be lost.

Pay attention to paint film, decals and other parts to avoid oil pollution and prevent damage.

Charger Use and Maintenance

This charger is specially used for the company's vehicles and takes care of the battery to effectively improve the service life of the battery.

1. Warning, the user must follow the instructions when charging, otherwise the consequences will be at your own risk.
2. Prompt, the original charger must be used.
3. Pay attention to the type and applied voltage of the battery that the charger can charge. Mixed-use is strictly prohibited.
4. When charging, it should be placed in a ventilated environment. It is strictly forbidden to charge in a confined space or in the hot sun and high-temperature environment. Do not place the charger in the saddle or tail box to charge.
5. When charging, plug in the battery first, then the power supply; when it is sufficient, cut off

the power first, then unplug the battery.

6. When the green light is on, the power supply should be cut off in time. It is forbidden to connect the charger to the AC power supply with no load for a long time without charging.

7. During the charging process, if the indicator light is abnormal, there is a peculiar smell or the charger shell is overheated, the charging should be stopped immediately, and the charger should be repaired or replaced.

8. During the use and storage of the charger, pay attention to avoid the entry of foreign objects, especially to avoid the inflow of water or other liquids, so as to avoid a short circuit inside the charger. Try not to carry the charger with the car. If you really need to carry it, it should be placed in the toolbox after shock absorption.

9. Do not disassemble or replace the components in the charger by yourself.

Use and maintenance of batteries

1. When the new car is used for the first time, the battery should be fully charged.

2. After each use of the vehicle, it should be fully charged as soon as possible. This will help prolong the battery life.

3. When the battery is used, it is forbidden to over-discharge, under-charge, and over-charge, so as not to damage the battery and shorten its service life of the battery.

4. The battery should not be close to an open flame or a high-temperature heat source. It is strictly forbidden to expose to the sun in the high-temperature season to avoid damage to the battery.

5. It is recommended to deeply discharge the battery on a regular basis, generally, once a month is appropriate. That is long-distance riding until the under-voltage indicator shows that the power is exhausted or the under-voltage protection device starts to function. At this time, the power is turned off for charging, which can effectively prolong the service life of the battery.

6. If the vehicle is not used for a long time, the power supply should be cut off, and the battery should be removed from the vehicle and put away. The battery is best placed in a cool place. Stored for 20-30 days, it must be recharged once.

7. Waste batteries cannot be dismantled without authorization, and should be recycled by relevant professional departments.

Notice

1. The battery is a key component of an electric vehicle and should be used correctly and properly protected. Conditional users should be able to charge at any time. If the daily travel distance is greater than 20 kilometers, they should be charged every day.

2. The performance of the battery is greatly affected by the ambient temperature. When the air temperature drops below 0 ° C, the discharge capacity of the battery may drop by more than a quarter. Therefore, in winter or cold areas, it is normal for the continuation mileage to decrease on a single charge. When the temperature rises above 20 ° C, its performance will automatically recover.

3. Do not discard used batteries at will, so as not to pollute the environment. The used batteries of this product are recycled by the dealer's after-sales maintenance department and government-designated outlets.

Use and Maintenance of Controller and Motor

Use and maintenance of the controller

1. Regularly check whether the fixing screws and wiring of the controller are loose.
2. Regularly clean the dust on the surface of the controller, which is conducive to heat dissipation. It is forbidden to wash electrical components with water, so as to avoid the danger of electrical short-circuit failure.
3. It is strictly forbidden to modify the controller circuit without permission.
4. Regularly check the controller circuit, fuse, etc.
5. When the controller is found to work abnormally, it should stop running immediately and send it to the authorized repair shop designated by the dealer's after-sales maintenance department for repair and replacement.

Use and maintenance of electric motors

1. Regularly check whether the end cap screws on both sides of the motor are loose.
2. Regularly check whether the motor wiring is loose, whether the appearance is deformed, and whether the motor phase wire is damaged.
3. For use in rainy days, the motor cannot be driven in deep water, and the water surface cannot exceed the position of the rear axle.
4. The hub of the motor cannot be violently impacted, the motor cannot be forced to run under the condition of a locked rotor, and overloading of the motor is strictly prohibited.
5. If the motor is found to be running abnormally, it should stop running immediately and send it to the dealer's after-sales maintenance department for repair or replacement.

Precautions for washing

1. Disconnect the power supply of the whole vehicle before cleaning. It is forbidden to touch the live parts with wet hands and metal conductors, such as battery charging and discharging ports.
2. It is strictly forbidden for water to impact electrical components. When cleaning the vehicle, you should use a wet towel to dry the appearance of the vehicle.
3. Avoid the impact of water on the charging socket, wiring harness connectors, and fuses, etc., and do not directly splash water on the storage box.
4. Do not splash water directly on the brakes, motors, and front and rear axles to prevent water from affecting the life of the vehicle components.
5. Do not use steam or high-pressure water to wash the vehicle.

Tightening torque inspection and adjustment

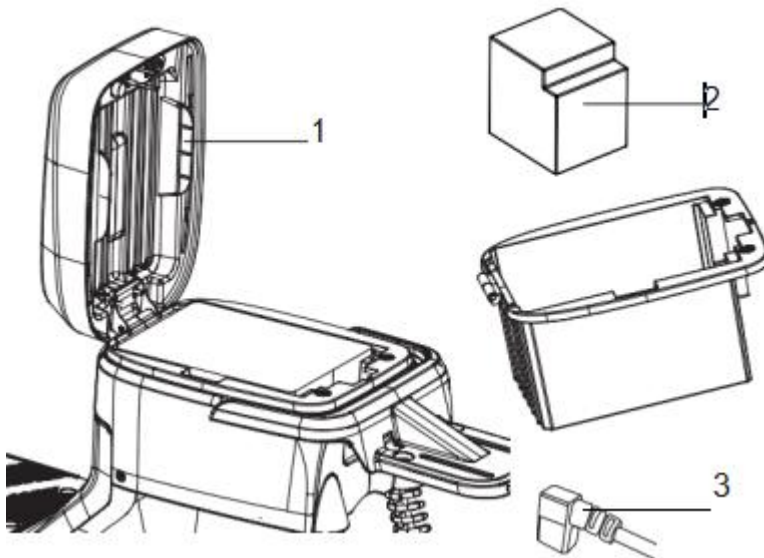
Unit: N.M

serial number	Parts		Tightening torque
1	wheel	front wheel	30-35
		rear wheel	40-45
2	front fork	Front fork lock nut	30-35
3	rear fork	Rear fork lock nut	35-40
4	front shock	Front shock lock nut	30-35
5	rear shock	Front shock shaft tightening nut	30-35

Schematic Diagram of Battery Installation

How to install battery

1. Open the seat cushion and turn off the air switch;
2. Put the battery in the seat bucket;
3. Connect the battery plug to make it stable. Open air switch; lower seat cushion.



Warn

Battery installation is dangerous. During installation, professional installers (distributors designated by the company) must be responsible for installation. Unauthorized operation leads to an accident, and the user shall bear all the consequences.

Troubleshooting and troubleshooting

· Fault phenomenon	· cause of issue	· Method of exclusion
· Turn on the power, the instrument has no display and the speed regulation fails	<ul style="list-style-type: none"> · Fuse open · Poor contact between the power plug and the battery socket · The power lock switch is damaged or the plug-in connection · bad touch 	<ul style="list-style-type: none"> · Find out the cause and replace the fuse · Replacing the power plug or battery socket · Replace the power lock or connector
· Turn on the power, the instrument display is normal, the speed regulation fails	<ul style="list-style-type: none"> · Battery voltage is too low · The speed control handle is damaged or loose · Front or rear brake lever cut-off switch failure · Controller or motor failure 	<ul style="list-style-type: none"> · Fully charged · Replace the speed control handle or clamp · Replace the power off switch · Repair or replace the controller/motor
· Insufficient mileage after a single charge	<ul style="list-style-type: none"> · Insufficient battery charge · Insufficient tire pressure · Lots of uphill/strong headwind/frequent braking/heavy load · Aging or damaged battery · Check that the brakes are properly adjusted · Check if rotating/transmission parts are lubricated 	<ul style="list-style-type: none"> · Fully charge or check if the charger plug is in poor contact · full of gas · Minimize braking/starting times and load conditions · Repair or replace the battery · Adjust brake status · Lubricate rotating/transmission components
· Battery not charging	<ul style="list-style-type: none"> · The connection between the charger plug and the battery socket is loose · The battery pack wiring is disconnected · Blown fuse in charger 	<ul style="list-style-type: none"> · Replace the plug or socket · Solder or fasten connecting wires · Replace the charger

애프터 서비스 및 보증 범위

존경하는 고객님의: 본사에서 생산한 전기자전거를 사용해주셔서 감사합니다. 귀하의 합법적인 권익을 지키기 위해서 본설명서를 잘 보관하시기 바랍니다.

(-) 보수원칙 :

1. 귀하가 차량을 사용할때 현장에서 검사하고 테스트하십시오. 또한 판매직원에게 정확한 사용방법과 유지 사항을 제공하도록 요구할 권리가 있고 유효한 구매 영수증과 AS 카드 및 보수 단위의 주소와 연락처를 제공해야 합니다.
2. 사용자는 제품 사용설명서에 따라 정확하게 사용해야 합니다. 생산 품질 원인으로 인해 성능 고장을 일으키는 경우 관련 법률과 국가책임 규정에 따라 당사는 세가지 책임을 통일적으로 이행합니다.
3. 세가지 책임범위 이외의 고장 및 세가지 책임기간이 지난 이후의 주요 부품은 당사가 책임지고 수리하지만 실제 정황에 따라 비용을 지불해야 합니다.
4. 세가지책임기간이 지난 이후의 배터리가 교체되면 회사는 공장 가격으로 공급하지만 배터리는 반드시 1 대 1 로 회수하여 배터리 제조업체에 돌려 보내어 안전과 오염을 방지하도록 합니다.

(-) 주요부품 보수기간, 보증 범위 및 기간 상세내역

부품명칭	보수범위기간	보수기간	서비스내용
프레임 앞포크	자연적으로 용접열어지거나 용접열락' 파단 현상 (인위적 요소 제외)	6 개월	무상교체
프레임,출발이, 체인커버, 옷걸이	웨어대면적의 탈락 (인위적 요소 제외)	1 개월	무상교체
핸들,바퀴,체인,크랭크,포크	도금 탈락 (인위적 요소 제외)	3 개월	무상교체
앞뒤축,물라이휠 등 회전	열처리 부품 파손 또는 파괴 현상 (인위적 요소 제외)	1 개월	무상교체
모터	베어링 파손,케이스 균열,권선 손상(인위적 요소 제외)	6 개월	무상교체
컨트롤러, 충전기	회로 손상 ,부품 파손 (인위적 요소 제외)	1 개월	반년 새것으로 교체, 반년수리
리튬 배터리	용량 감소,무전압 방출, 보호판 단락',배터리 드럼 (인위적 요소 제외)	6 개월	배출일로부터 처음 6 개월동안 정격용량의 80% 이하가 아니며 이후 6 개월 동안 60% 이하가 아닐때 무료유지보수 또는 교체가 불가함
내측 다이어	트리카머등 내재품질문제로 인해 공기가 새기에, 수선후에는 교환하지 않는다.	15 일	무상수리 혹은 교체
포인트부분	대면적의 탈락, 선명한 퇴색, 부풀어 오르거나 균열(인위적요소 제외)	1 개월	무상교체
보험관, 전구, 케이블, 스위치, 브레이크 발급	소모부품은 보증수리 범위에 속하지 않는다.		
배깅 다이어	1 개월이내에 타지면 교체합니다 (비인위적 요인)		

세가지 책임의 범위 및 내용에 속하지 않음:

1. 사용자가 '사용설명서' 의 규정에 따라 사용하지 않고 유지보수 및 조정으로 인한 고장.
2. 사용자가 직접 분해 및 개조하고 사용 규칙을 준수하지 않아 발생하는 고장.
3. 사용자의 사용, 부적절한 보관 또는 우발적인 사고로 인한 고장.
4. 보증 카드 없음, "회침보수장" 을 우리 회사에 돌려보내지 않거나, 또는 카드, 목적물이 일치하지 않는 차량.
5. 파손 잘되는부품, 소모품은 세가지 책임안 해줍니다. 브레이크, 안장가방, 플라스틱 부품, 바퀴살, 차바퀴, 브레이크 라인, 표면 스크래칭 등이 포함합니다
6. 특별 서비스유보수단위의 동의없이 자체수리한 비용.
7. 부품 부품 출하 후, 케이스 스크류 또는 케이스 파손 수리 안 합니다. 리드 스크래치 또는 파손은 수리하지 않습니다.