



USER MANUAL

Reminder

Dear customers:

1. Please do not use the electric motorcycle before carefully reading the user manual and understanding the feature of the electric motorcycle.
2. Please keep the user manual in a safe place for future reference.



Preface

Dear customers:

To ensure ease of operation and safe riding, we have specially prepared this manual. It provides an introduction to the usage and maintenance of the electric vehicle. Please read this manual carefully after purchase to familiarize yourself with the vehicle's features, characteristics, precautions, and maintenance tips. This will allow you to fully utilize the advantages of your electric vehicle and ensure safe riding under optimal conditions.

We have been pursuing for meeting our users' need. We encourage you to share your experiences and suggestions after using the vehicle, helping us continuously improve and make our products even better. The contents of this manual are based on the latest information. Due to ongoing updates and improvements to our products, there may be discrepancies between the manual and the product you purchased. We kindly ask for your understanding in such cases.



Disclaimer

Please read this disclaimer carefully before using this product. By using our product, you are deemed to have understood and agreed to all the terms of this disclaimer.

1. When purchasing this product, please verify all data on the documentation and retain all proof of purchase upon completion of the transaction. Any issues arising from mismatches between data and the actual product or incomplete documentation are the user's responsibility.
2. Before using this product, please carefully read the user manual and strictly follow the operating instructions during use. The company shall not be held liable for any consequences resulting from improper use, such as overspeeding or overloading.
3. Without written permission from the company, users are not allowed to disassemble or modify the original configuration. In the event of a product malfunction, please seek service at the company's authorized service centers. The user assumes full responsibility for any consequences resulting from violations of these conditions.



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Warning Signs

Particularly important information is distinguished in this manual by the following symbols. To ensure your safety and the safety of others, when the following symbols appear, be sure to read their contents carefully and follow the instructions.



Failure to follow the instructions may cause damage to the vehicle.



Failure to follow the instructions may cause damage to the vehicle or shorten its service life.

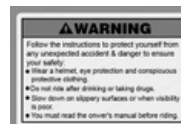


Failure to follow the instructions may pose a danger to life and cause vehicle damage.

Read all warning labels on the vehicle carefully. These labels contain important safety information that must be observed while riding



High-voltage



Safety Riding Warning Sign



Safe Driving



When riding electric vehicle, please always prioritize safety, adhere to safety requirements, and perform a thorough inspection of the vehicle before riding.

Safe Driving Rules:

1. Inspect the vehicle before riding to prevent accidents or mechanical failures.
2. Drivers must pass a traffic management exam and obtain a valid driver's license before operating a vehicle. It is prohibited to allow unlicensed individuals to operate the vehicle.
3. To minimize the risk of harm from other vehicles, drivers should ensure they are easily noticed by others. To achieve this, follow these guidelines:
 - Strictly comply with local traffic regulations.
 - Wear bright-colored clothing.
 - Maintain a safe distance from other vehicles and avoid entering their blind spots.
 - Avoid speeding, as it is a leading cause of accidents. Always maintain a speed appropriate to the conditions.
 - Use turn signals when turning or changing lanes to alert pedestrians and other drivers.
 - Slow down and proceed cautiously at intersections and parking lot entrances/exits. Watch for incoming and outgoing vehicles and pedestrians, and ensure safety before proceeding.
 - For personal safety, drivers should wear appropriate helmets and protective gear.
 - Do not wear headphones or listen to music while riding, avoid making or receiving calls, and strictly refrain from driving under the influence of alcohol.



Vehicle Modification and Loading



Vehicle Modification

Arbitrarily modifying an electric vehicle or replacing its original components compromises its safety. Users must adhere to traffic regulations and standards set by transportation authorities regarding vehicle use.



Loading Cargo or Accessories

Special caution is required when loading cargo or accessories. Improper loading may affect the vehicle's performance and stability, thus increasing the risk of accidents.



Guidelines for Cargo Loading

1. Ensure the cargo's center of gravity is low and close to the center of the vehicle. Distribute cargo evenly on both sides to maintain balance. If the center of gravity is far from the vehicle's center, it will be difficult to control.
2. Adjust tire pressure according to the weight of the cargo and driving conditions.
3. To ensure stability, securely fasten the cargo to the vehicle and inspect it regularly.
4. Do not attach large or heavy objects to the handlebars or front forks, as this may cause imbalance or delayed steering response.
5. Never exceed the vehicle's maximum load capacity.



User Guide



Preparation

1. Carefully read this manual first to understand the product's performance and related requirements.
2. Check tire condition: Ensure the tire pressure is sufficient. If it is low, inflate to the correct pressure. Check if the tread is excessively worn. If the depth of the central tread grooves is less than 2mm or if the tire surface shows cracks or damage, please immediately replace the tire at the authorized service center, so as to prevent slipping on wet or slippery surfaces.
3. Check the electrical system: Ensure the battery has enough power to support the required range. If the battery is low, charge it first. Check that all the gauges and indicator lights are functioning properly. If there are any malfunctions, resolve them before riding.
4. Check the braking system: Ensure both the brake and brake cut-off functions are working correctly. If the brake cut-off function is not functioning, do not use the vehicle and take it to the authorized service center for repairs.
5. Check other items: Ensure the wheel lock is unlocked, the rear trunk is securely closed, the main/side stand is properly positioned, the rearview mirrors are adjusted correctly, and that the front light, rear light, and turn signals are working.



Riding

1. While riding, slowly rotate the throttle grip counterclockwise with your right hand. The vehicle will accelerate gradually from slow to fast. When starting the vehicle, accelerate slowly to avoid wasting energy or damaging electrical components due to sudden acceleration.
2. To slow down or stop during riding, slowly release the throttle grip clockwise. The vehicle will gradually decelerate until



User Guide

it stops. To continue riding, tighten the throttle grip again, the vehicle accelerates until you get to the destination.

3. When reaching a corner or turning point, return the throttle grip to its original position. Use both front and rear brakes to gradually slow down the vehicle. After passing the turn, gradually accelerate to return to normal riding speed.

4. When riding downhill, return the throttle grip to its original position and use both front and rear brakes to slow down the vehicle.

5. If any abnormal situations while riding, apply both front and rear brakes immediately, and turn off the power switch. Only continue riding once the vehicle has been confirmed to be in a normal condition.

6. This vehicle is designed to handle light rain and snow, but it should not be ridden through deep water. When riding on a flooded surface, ensure that the water depth does not exceed the bottom edge of the motor hub. If the water level is higher, water may seep into the motor hub, causing damage or malfunction.

7. For the safety of others and your own, please ride on the designated motor vehicle lanes.

8. If you are a new rider, make sure to fully understand the vehicle's functions and performance before riding on the road.

9. Accidents are often caused due to that electric vehicles are easy to be ignored by car drivers. Thus electric vehicle riders should ensure themselves to be visible to car drivers. For example: ① Wear brightly colored or reflective clothing. ② Avoid passing through traffic blind spots. ③ Never race for position or engage in risky overtaking. ④ Follow the traffic rules in the designated motor vehicle lanes, avoid competing for lane space with other motor vehicles, keep a safe distance, and avoid entering the blind spots of other drivers.

10. After completing the pre-ride checks, press the "Ready" or "RD" button before starting the vehicle.



User Guide



Braking

1. Applying the brake solely to the front or rear wheel may cause the vehicle to skid, which is highly dangerous.
2. This vehicle is equipped with an automatic power cutoff function when the brakes are applied. When the brake is engaged, the controller automatically disconnects the power supply (however, please note that the system remains powered when the brake lever is released and returns to its original position). In case of a loss of control or emergency, immediately turn off the power switch after braking to ensure the safety of both the rider and the vehicle. Following this, please have the vehicle inspected by an authorized service center.
3. In wet weather, rainy days or on soft road surfaces, braking performance may be reduced. Please note the following for your safety: ① Exercise extra caution when braking, accelerating, or turning. ② Drive at a lower speed and maintain a longer braking distance. ③ Keep the vehicle as upright as possible. ④ Be especially cautious when crossing smooth surfaces such as: railway tracks, metal plates, manhole covers, or painted road markings.
4. After braking, the controller will cut off the power supply.
5. Brake Lever Free Play: (Disc Brake): Brake lever free play should be between 5–10mm.(Drum Brake): Brake lever free play should be between 10–20mm.
6. For disc brakes, the brake fluid level should be between the UPPER and LOWER marks. If the fluid level is below the LOWER mark, please add brake fluid. Use the recommended brake fluid, DOT3, or an equivalent DOT4 fluid.
7. If the brake disc wear exceeds the wear indicator by 3mm, please replace the disc brake.



User Guide



Parking

1. When getting off and pushing the vehicle, always turn off the power switch to prevent accidental movement of the throttle, which could cause the vehicle to unexpectedly start and lead to an accident.
2. Avoid frequently starting the vehicle with the throttle when it is stationary, in order to extend the lifespan of the battery, motor, and electrical switches.
3. Always turn off the power switch and remove the key when parking the vehicle.
4. When leaving the vehicle, ensure that the anti-theft lock is secured and take the key with you to prevent theft.
5. Always park the electric vehicle in a safe location, and ensure safety during charging.
6. It is strictly prohibited to park or charge the electric vehicle indoors, in public walkways, stairwells, hallways, safety exits, or other public areas within buildings.

Vehicle Diagram

● TL1200DT-40H



Electric Two-Wheeled Motorcycle



Vehicle Parameters

Parameters and Performance Specifications		
Vehicle	Parameter Name	Specific Parameters
	Overall Dimensions (L × M×H)	1801mm×722mm ×1072mm
	Wheelbase	1293mm
	Vehicle Net Weight	97kg
	Rated Payload Capacity	75Kg
	Maximum Speed	70-80 Km/h
	Tire Specifications (Front/Rear)	90/90-12
	Tire Specifications (Front/Rear)	300KPa
	Climbing Ability	8°
	Drive Mode	Direct Drive

Continuation Table		
Motor	Motor Type	Permanent Magnet
	Rated Power	2000W
	Rated Voltage	72V
Storage Battery	Battery Type	Graphene
	Capacity	38AH
	Nominal Voltage	72V
Controller	Low Voltage Protection Value	63V
	Overcurrent Protection Value	60A
Charger	Input Power	AC220V
	Maximum Output Voltage	88.5V
	Maximum Output Current	10A
	Charging Time	6-8h



Battery Pack Installation Instructions



Installation Instructions

1. First, turn off the circuit breaker, then lift and place the lithium battery into the under-seat compartment with the charging port side facing the direction of the charging cable plug.
2. Align the three-pin charging plug with the charging port and securely connect them.



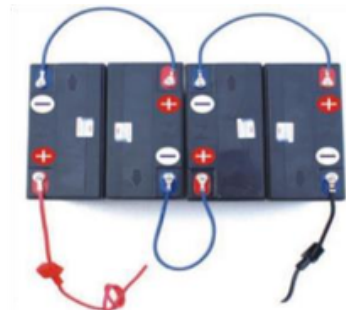


Installation Instructions

Notice,

1. The small pieces batteries should be in series connection, and never connect the Negative and Positive Terminal directly, which causes Short circuit;
2. The total voltage=Unit Voltage*Total Pieces, forexample, Unit Voltage is 12V, and there are 4 pcs, so the total voltage equals to 48V, i.e $12 \times 4 = 48V$;
3. soldering between the battery terminal and the connect cable can ensure wider and reliable contact;
4. Soldering should not exceed 10 seconds each time;
5. Tight the clamping screw moderately, not too much tight in case causing damaging to the battery terminal;
6. Put some suspension between these batteries to avoid the possible shocks;

48V/20Ah Battery Connection



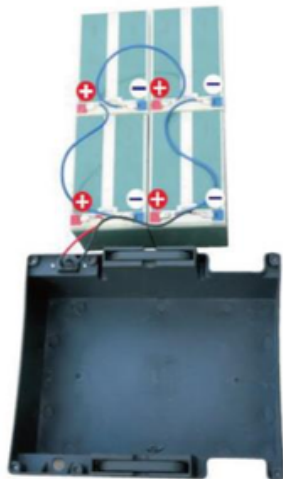
Positive



Negative



48V/12Ah Battery Connection



64V/14Ah Battery Connection



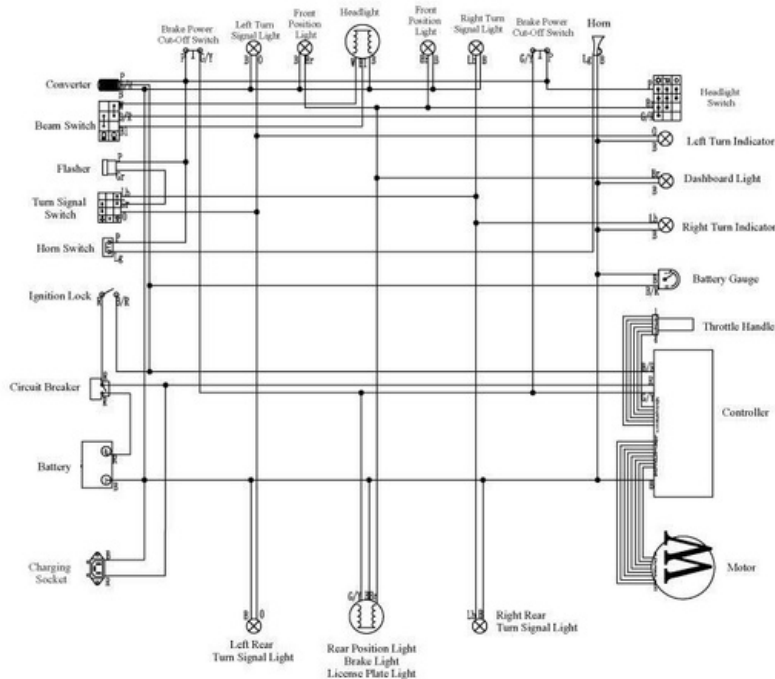
Positive



Negative

Graphene Battery

Electrical Schematic Diagram





Identification of Electric Motorcycle

Vehicle Identification Markings

1. Vehicle Identification Number

(VIN): Printed on the main frame tube.



1

2. Frame Nameplate: Riveted to the frame's suspension tube.



2

3. Motor Number: Printed on the motor side cover.



3

Functions of Important Components



Instrument and Indicators

- 1.Speed Mode Indicator (1 / 2 / 3)
Shows the current speed or gear mode of the unit.
- 2.Speed Display — km/h
Shows the actual running speed of the unit.
- 3.READY Indicator
Means the unit is powered on and ready to ride.
- 4.Battery Indicator
Shows the remaining battery level.
- 5.Trip Meter — km
Shows the distance traveled during the current trip.
- 6.Left and Right Signal Indicators
Lights up when the turn signal is activated.
- 7.Headlight Indicator
Shows when the headlight or high beam is turned on.



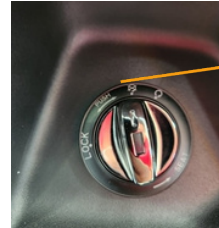
Functions of Important Components



Ignition Switch

When turned to the  position, the electrical system is active, and the key cannot be removed.

When turned to the  position, the electrical system is inactive, and the key can be removed.

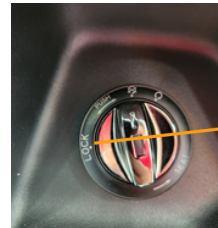


Ignition Switch



Headlock

Rotate the handlebar fully left and turn counterclockwise to lock the steering mechanism. To unlock, rotate clockwise. Always remember to lock the headlock when parking.



Headlock

Functions of Important Components



Function Key Usage

1. Repair Button (ARS): When a fault occurs in the vehicle's electrical system, ARS will audibly announce the fault. Users can follow the audio instructions and press the repair button (ARS) on the throttle grip to troubleshoot and repair the issue.
2. S Button
Means Speed.
Used to change the speed mode / riding mode of the unit.
3. Light Switch
Controls the lighting system.
Left position – main light / headlight
Middle position – light mode / running light
Right position – OFF



Functions of Important Components

1. Headlight / High Beam Button

Controls the motorcycle light. Use it to switch between normal headlight and brighter high beam for better visibility.

2. Hazard Button / Triangle Icon

Turns on the hazard lights. Both left and right signal lights will blink.

3. Turn Signal Switch

Used to activate the left or right signal light.

4. Horn Button

Used to sound the horn.

5. P Button

Parking button / park mode. Helps prevent the unit from moving accidentally.



Special Function Introduction

Fully Automatic Driving Fault Repair System



Function Introduction: This function plays a role in voice reminders and fault repair when there is a malfunction in the electric vehicle's electrical system.

User Instruction: When a fault occurs in the electric vehicle's electrical system, the ARS will announce the fault details through voice prompts. The user can follow the voice prompts and use the repair button next to the throttle to carry out fault repair.



Keyless Start Instructions (if applicable)



Set Key: set the anti-theft alarm



Unlock Key: disable the anti-theft system



Start Key: for start

1. Setting the Anti-theft Alarm: When the electric lock is off, press the Set key. The horn will sound once, indicating the vehicle is in alarm mode.
2. Disabling the Anti-theft System: Press the Unlock key. The horn will sound twice, deactivating the anti-theft system.
3. Remote Start: Press the Start key twice continuously. The horn will sound once, the electric lock will be powered on, and keyless starting can be performed.





Simple Fault Phenomena and Troubleshooting

No.	Fault Phenomenon	Fault Causes	Troubleshooting Method	Remarks
1	Turn on the ignition switch, the instrument is blank, and the vehicle does not start.	Blown fuse	Replace with a fuse of the same specification	Before inspecting or replacing the fuse, ensure the power switch is turned off to prevent a sudden short circuit. If fuses are frequently blowing, please take the vehicle to an authorized service center for further inspection.
		Battery wiring loose	Tighten the battery wiring	
2	Turn on the ignition switch,the instrument display is on, but the vehicle does not start.	Low battery voltage	Recharge the battery	Sometimes the brake lever may appear to be in the correct position, but the internal power-off switch connector may need a few moments to return to position.
		Brake lever not returned to position	Return the brake lever to position	
		Throttle cable loose or faulty	Take the vehicle to the authorized service center for inspection	
		Loose wiring		
3	Insufficient range after charging	Insufficient tire pressure	Inflate the tires to the proper pressure	
		Poor charging	Ensure all connections between the socket and charger are secure, and charge the battery fully	
		Charger malfunction	Please send it to an authorized service center for inspection	The charger contains high voltage. Non-professional personnel should not open it. Please do not attempt to replace the charger's plug or wires yourself, as it may cause safety hazards.
		Battery aging or damage	Replace the battery	



If the fault cannot be diagnosed or resolved, please send it to an authorized service center for inspection.



Correct Use and Maintenance of the Four Major Components



Correct Use and Maintenance of the Motor

1. The motor phase wires and Hall wires must be properly connected to the controller's leads, ensuring good contact.
2. The motor must not be submerged in water under any circumstances.
3. The motor should not operate under overload conditions; it is advisable to reduce the motor's workload when it is operating at full load.



Correct Use and Maintenance of the Controller

1. Avoid operating the controller under full-load conditions as much as possible.
2. Minimize sudden starts and accelerations to reduce the high current impact on the controller.
3. strictly prohibited to reverse the polarity of the power supply; ensure that all functional wire connections are free from short circuits.
4. Do not strictly prohibited to reverse the polarity of the power supply; ensure that all functional wire connections are free from short circuits.



Correct Use and Maintenance of the Four Major Components



Correct Use and Maintenance of the Battery

1. Before installation, check the battery for any damage or leakage, and clean the battery surface with a dry cloth. If the battery casing is cracked or leaking, replace it immediately to prevent acid corrosion.
2. The battery should be installed in an upright position and never inverted. Batteries should be connected in series as per the company's specifications, ensuring correct polarity and good contact at the connection points to avoid sparks.
3. It is advisable to recharge the battery when approximately 80% of its capacity is used. Do not wait until the battery is completely drained before recharging, as over-discharge may shorten the battery life. (Note: users usually ride a short distance (discharging capacity $\leq 10\%$), it is recommended that the deep discharge once a month to the protection of the voltage and needed to be charged fully again, the battery life will be longer.)
4. If a new battery has been stored for a long time, it should be charged before use. Unopened new batteries require charging maintenance if stored for over 3 months.
5. The charger must be compatible with the battery pack; otherwise, the battery may be damaged. Batteries of different models or brands should not be mixed.
6. Battery should not be exposed to fire or heat sources, nor should they be directly exposed to sunlight. The higher temperature may cause unstable parameters between the parts of the charger, even create thermal runaway and expand the battery. It is also prohibited for the battery to undergo severe impacts or shocks, and the positive and negative terminals should never be short-circuited.



Correct Use and Maintenance of the Four Major Components

Correct Use and Maintenance of the Charger



1. First connect the output plug of the charger to the battery charging port, then connect the input plug of the charger to the AC power supply. The charger's indicator light will turn red, indicating that charging has begun. (When the input plug is connected to the AC power supply, but the output plug is not connected to the battery, the charger's indicator light will turn green, indicating that the charger is in a normal standby mode.)
2. When the charging indicator light turns green, it indicates that the battery is fully charged. The charging time may vary depending on the remaining charge in the battery (typically between 2 to 8 hours).
3. After charging is complete, first disconnect the input plug, then disconnect the output plug.
4. Ensure that the battery pack and the charger are compatible. The polarity of the charger must match the polarity of the battery pack. Reversing the connections is strictly prohibited as it may damage the charger.
5. The charger must not be exposed to direct sunlight or rain. It should be used in a dry, well-ventilated area, away from flames, sparks, flammable materials, and corrosive substances. Do not cover the charger with any objects.
6. The charger should not be disassembled by users, and it should be protected from dropping from heights.



Maintenance and Care

Charging Instructions



1. For a newly purchased vehicle, the battery may have insufficient charge due to transportation and storage. Please fully charge the battery before riding the vehicle.
2. Only use the charger provided by the manufacturer. When replacing the charger, ensure it matches the battery model. The manufacturer is not responsible for any damage or safety incidents caused by using chargers of different brands or specifications.
3. The battery can be charged while still installed in the vehicle. Typically, it takes 10-12 charging cycles for the battery to reach optimal performance.
4. Charging Steps:
 - ① When using the charger for the first time, carefully check that the charger's rated output voltage matches the battery voltage and that the input voltage of the charger matches the local power supply.
 - ② Place the charger on a flat surface in a well-ventilated area. Insert the charging plug into the battery charging port, then plug the charger's power plug into the AC power supply. Ensure that the input plug is securely and safely connected to the power socket.
 - ③ During charging, both the power indicator light and the charging indicator light will be red. After 3-6 hours of charging (charging time depends on the remaining charge in the battery), the charging indicator light will turn green, indicating the battery is almost fully charged. You may continue charging for 1-2 more hours to ensure the battery is fully charged.
 - ④ Once charging is complete, first disconnect the charger from the power socket, then unplug the charger from the



Maintenance and Care



battery. Do not leave the charger plugged into a live power socket when not in use.

5. Charging Precautions:

- ① The charger must be used in a dry, well-ventilated environment. Do not cover the charger with any objects, and ensure it does not come into contact with water.
- ② The charger contains high voltage; do not open it unless you are a professional. Do not attempt to replace the charger's plugs or wires, as this may cause safety hazards.
- ③ Keep the charger in a safe place where children cannot reach it.
- ④ Do not charge the battery while it is inverted, as this will significantly reduce the battery's lifespan.
- ⑤ Never open the battery's power switch while removing the battery from the vehicle during charging.
- ⑥ If you notice any unusual smells, excessive heat, sparks, or if the charger's indicator light does not turn green (indicating full charge) after 8 hours of charging, stop the charging process immediately and take the charger to an authorized service center for inspection.
- ⑦ Do not charge the electric vehicle at night.
- ⑧ The charging time for the electric vehicle should not exceed 8 hours. Always supervise the charging process to ensure safety.



Maintenance and Care

Regular Maintenance and Self-Inspection

Check Items	Check: ※	Adjust or Replace: ▲	
	Everyday	60 days	180 days
1. Ensure that the tire pressure is appropriate and the tread of the outer tires is not worn.	※	※	※ ▲
2. Ensure that the braking performance is effective.	※	▲	▲
3. Ensure that the horn is loud and functioning properly.	※		
4. Ensure that the charger and power cables are not worn.	※		
5. Ensure that the front and rear wheel bolts are securely fastened, and that the handlebars and steering components are not loose, worn, or corroded.		※ ▲	※ ▲
6. Ensure that the brake shoes or brake discs are not worn.		▲	▲
7. Ensure that the rims are not misaligned or deformed.		▲	▲
8. Ensure that the frame and front fork are not deformed.		▲	▲
9. Ensure that the side and rear reflectors are intact.		▲	▲

Maintenance and Cleaning Instructions

1. Do not use high-pressure water jets for cleaning, as moisture may damage internal electronic components and wiring, leading to potential safety hazards.
2. Use high-pressure water jets for cleaning, as moisture may damage internal electronic components and wiring, leading to potential safety hazards.
3. Use lubricating oil to maintain the metal parts of the vehicle by gently wiping them.
4. It is strictly forbidden to apply oil to the front and rear brake pads, rims, or tires.



Warranty Terms and Function Introduction



Dear customers:

To protect your legitimate rights, improve the product quality responsibility system, and facilitate our company in fulfilling the warranty obligations and assuming responsibility, we kindly request that you carefully read, complete, and keep the after-sales service card in a safe place. Thank you for your cooperation!

Warranty Coverage



1. When purchasing, please check the appearance quality of the vehicle. Any damage to the appearance after use is not covered under the three guarantees.
2. Upon purchase, please inspect and test the vehicle on-site. You have the right to request the sales staff to provide correct operating instructions and maintenance guidelines, as well as provide valid sales receipts and an after-sales service card with the official stamp and signature.
3. The user should operate the product correctly according to the user manual. If a performance fault occurs due to product quality issues, the three guarantees obligations will be fulfilled according to the three guarantees agreement.
4. If returning the vehicle, depreciation fees will be charged according to relevant national regulations.



Warranty Period and Free Service Details

No.	Component Name		Warranty Period	Maintenance Fault Description
1	Motor		24months/20000KM	Motor replacement within the warranty period (due to motor coil phase loss, short circuit, burn-out, etc., non-human factors).
2	Battery	Lead-Acid Battery	12months/10000KM	Battery capacity drops below 60% (non-human factors). Free replacement with a new battery within 6 months; free maintenance replacement between 7-12 months (based on the battery's manufacturing date).
		Graphene Battery	24months/20000KM	Battery capacity drops below 60% (non-human factors). Free replacement with a new battery within 12 months; free maintenance replacement between 13-24 months (based on the battery's manufacturing date).
		Lithium Battery	24months/20000KM	Battery capacity drops below 60% (non-human factors). Free replacement with a new battery within 12 months; free maintenance replacement within 24 months (based on the battery's manufacturing date).
3	Controller		12months/10000KM	Functional Failures (Non-human Factors)
4	Charger		12months/10000KM	Functional Failures (Non-human Factors)
5	Frame		24months/20000KM	Solder Joint Failure, Cracking (Non-human Factors)
6	Anti-theft System		12months/10000KM	Functional Failures (Non-human Factors)
7	Instrument		12months/10000KM	Functional Failures (Non-human Factors)
8	Disc Brake		12months/10000KM	Cracking, Functional Failures (Non-human Factors)
9	Front Shock Absorber		12months/10000KM	Cracking, Solder Joint Failure (Non-human Factors)
10	Rear Shock Absorber		12months/10000KM	Cracking, Solder Joint Failure (Non-human Factors)
11	Vacuum Tires		3months	Bulging, Delamination (Non-human Factors)
12	Cables		12months	Short Circuit, Open Circuit, or Wire Aging (Non-human Factors)
13	Painted Parts		6months	Color Mismatch, Discoloration, Fading, Paint Peeling, Surface Cracking or Corrosion (Non-human Factors)



Others	Handlebar, Steering Mechanism, Rear Swingarm, Throttle Handle, Brake Lever, Converter, Horn, Lock Cover, Combined Switch	12months	Functional Failures (Non-human Factors)
	Handlebar, Steering Mechanism, Rear Swingarm, Throttle Handle, Brake Lever, Converter, Horn, Lock Cover, Combined Switch	Wearable parts are not covered under warranty.	
	Non-listed Components	Parts with quality issues within 3 months will be replaced free of charge (Non-human Factors). After 3 months, replacement will incur cost charges.	

- The warranty period for vehicles used for household purposes shall be in accordance with the duration specified in the table above
- The warranty period for vehicles used for non-household purposes (commercial, business, corporate groups, bulk purchases, leasing, etc.) shall be half of the period specified in the table above.
- If you do not use the electric vehicle for a long time, please fully charge the battery. Turn off the circuit breaker, and make sure to recharge the battery at least once every 15 days. This will extend the battery's lifespan and prevent deep discharge, which could result in warranty exclusion and potential losses.



Non-Warranty Coverage



No.	Non-Warranty Coverage Items
1	The above table serves as the basis. If it exceeds the specified "Three Guarantees" period and scope, it will be considered outside the "Three Guarantees" service.
2	Advertising promotions, free gifts, sound volume, softness and hardness, and other subjective sensory items.
3	Damage caused by irresistible factors such as smoke, drugs, earthquakes, typhoons, floods, water damage, lightning strikes, chemical corrosion, etc.
4	Damage caused by repairs not conducted at the designated service stations, self-modifications, disassembly, damage to components, use of non-original parts, unauthorized modifications to circuits and configurations, will not be covered by the Three Guarantees, and the user will bear full responsibility for all related liabilities.
5	Faults caused by human factors such as collisions, improper handling, overloading, speeding, unauthorized modifications, failure to use original parts, and failure to follow operating instructions.
6	No repair card, invoice, receipt, or mismatched documents, incomplete accessories.
7	Chargers, controllers, and other components with trademarks or seals that have been deliberately torn off will not be covered by the Three Guarantees, including broken lock keys.
8	Battery discharge, bulging, immersion, and damage caused by external factors are not covered by the Three Guarantees. All batteries and accessories are not subject to cyclical Three Guarantees.



Non-Warranty Coverage Repair Principles



1. Faults outside the scope of the Three Guarantees and major components after the Three Guarantees period will still be repaired by our company, but material costs will be charged.
2. To support environmental protection, batteries replaced after the Three Guarantees period will be supplied at the factory price.

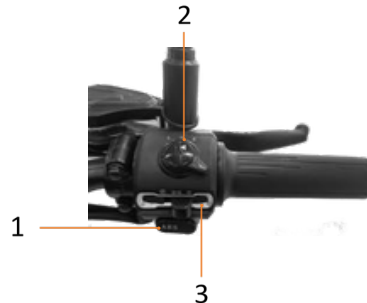


Functions of Important Components



Function Key Usage

1. Repair Button (ARS): When a fault occurs in the vehicle's electrical system, ARS will audibly announce the fault. Users can follow the audio instructions and press the repair button (ARS) on the throttle grip to troubleshoot and repair the issue.
2. Gear Shift Button: Toggle between Standard, Economy, and Overtake modes.
3. Driving Light Switch: Push to the left to turn on the position lights and low beam lights.



Usage of Switches

1. Horn Button: Press this button to activate the horn.
2. Turn Signal Switch (↵ ↶). To turn left, move the switch to the “↶” position; to turn right, move the switch to the “↵” position. When the switch is moved to either the “↶” or “↵” position, the turn signal remains active, with the front and rear turn signals (left or right) and the turn indicator light on the dashboard lit. To deactivate the turn signal, return the switch to the center position.

Functions of Important Components

3. Dimmer Switch: When the lighting switch on the right multifunction switch is set to the “” position, the headlights, taillights, position lights, and instrument lights will be illuminated. Press the dimmer switch on the left handlebar to “” for low beams, and press again “” for high beams. The high-beam indicator on the instrument panel will also light up. When the lighting switch on the right multifunction switch is set to the “” position, all the above lights will turn off.



Note:

1. After using the turn signal, please turn it off immediately to avoid confusion.
2. When driving at night, reduce your speed compared to daytime driving, and try to stay close to the center of the road, slightly to the right. The safe driving distance at night is generally over 50 meters. Be proficient in switching headlights and correctly assessing road conditions. In poorly lit areas, use high beams; when you encounter oncoming vehicles, straight-moving vehicles, or pedestrians, reduce speed and switch to low beams. If the headlights of oncoming vehicles cause glare, immediately pull over to the side and, if necessary, stop to allow the vehicle to pass.

