

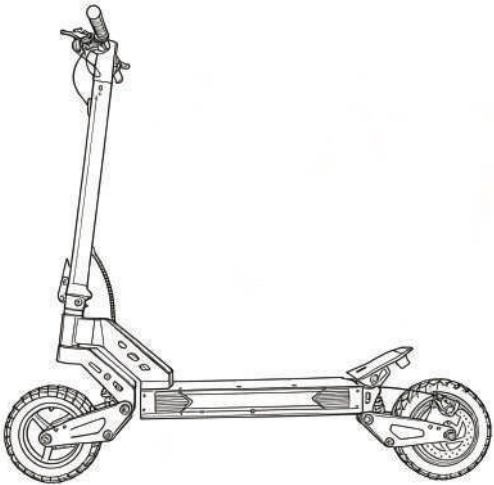
Electric scooter Instruction Manual

Catalogue

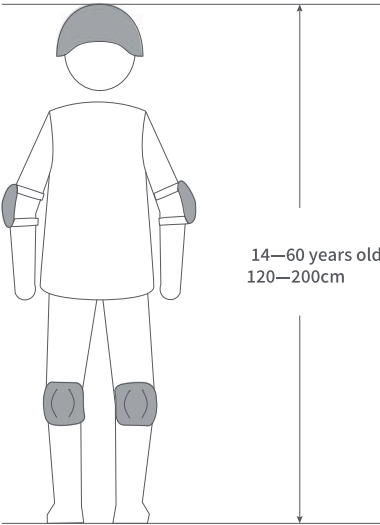
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Welcome to use

Thank you for choosing and purchasing one of our electric scooter series.For your safety, please read this manual carefully before use to ensure that you can follow the correct instructions and understand the "safety warnings" and "precautions" before use.The scooter is an easy-to-fold, easy-to-carry short-distance mobility product, but also a fashionable sports and recreational equipment.Please pay special attention to the "Warnings" and "Tips" in the user manual.
Warning: Incorrect operations may threaten your personal safety.If you have any questions or are unable to obtain the information you need from this manual, please contact the seller promptly.



All pictures in this manual are for reference only, please refer to the actual product.



 When riding the scooter, please wear helmet, knee pads, elbow pads, wrist pads and other protective gear to reduce the risk of injury.

1.Safety instructions

- 1. Scooters are not considered a means of transportation and are not allowed to be ridden on public transportation roads. Please observe local laws, regulations and policies when riding.
- 2. Scooters are a recreational product. You will need to practice your riding skills. If any damage is caused by inexperienced riders or by not using the product in accordance with this manual no liability will be accepted.
- 3.Read this instruction manual carefully and do not attempt to ride the scooter if you cannot follow the instructions in this instruction manual exactly. Before lending the scooter to someone else Make sure they have read the instruction manual before lending the scooter to someone else. It is your responsibility to ensure the safety of the new rider. Please assist him/her in learning to use the product until he/she learns the until he/she learns the basic operation of the scooter. Make sure each new rider wears a helmet and other protective gear.
- 4.Following the tips and warnings in this manual will reduce the risks, but will not eliminate all risks. Remember that you may be at risk of injury or death from loss of control, collisions and falls while using your scooter. Remember that you may be at risk of injury or death from loss of control, collisions and falls while using the scooter. Scooters are intended for use on flat, hard surfaces only and are recommended for use in more enclosed road environments (e.g., inside neighborhoods, parks, dedicated fields, etc.). Use. Do not pass over obstacles or protrusions. When entering an unfamiliar environment, be alert and slow down.
- 5.To reduce the risk of injury, be sure to read and follow all "Caution" and "Warning" notices in this manual. Do not exceed the speed limit. Do not drive on motorized roads under any circumstances. Under no circumstances should you drive on roads frequented by motor vehicles.
- 6.This product may contain removable parts. Keep away from children to avoid hazards from swallowing or accidental ingestion.

Riding Instructions

- 1. When riding this product, please observe local laws and regulations. It is prohibited to use the product in areas that are prohibited by the laws of your country/region and the relevant authorities. For your first ride, please Do not choose areas where children, pedestrians, pets, vehicles, bicycles or other obstacles and potential hazards may be present.
- 2. When riding, please respect the right of way of pedestrians. Pass on the left side of pedestrians whenever possible. When facing a pedestrian, stay to the right and reduce speed. Avoid frightening pedestrians, especially the elderly, children children, disabled people and pregnant women. When approaching a pedestrian from behind, alert the pedestrian and slow down as you pass.
- 3. When riding, remain alert and use good judgment at all times. Ride at an appropriate speed, keep a safe distance from other vehicles at all times, and when approaching unfamiliar surroundings slow down when approaching unfamiliar surroundings. Please keep in mind that when you are traveling on a scooter, there is a risk of collision with pedestrians, motorcycles, cars or other vehicles. Therefore, when you approach or pass through intersections intersections, turns, doorways, etc., you need to slow down and avoid pedestrians, bicycles and motor vehicles. Be defensive when riding. Be aware of yourself, oncoming traffic and pedestrians.
- 4. Please do not accelerate or decelerate suddenly. Please always ride with both hands on the handlebars and both feet on the pedals. Please do not ride at a speed that exceeds the limit of the scooter, otherwise there may be a risk of loss of control, collision and fall.
- 5. If the scooter is broken, smells, smoke, overheating or parts have performance failure or abnormalities, please do not continue to use the scooter and promptly contact the after-sales service.
- 6. Do not throw or drop the scooter, do not place the scooter in open fire or high temperature.
- 7. When riding, please ensure that you and the other party can see the scooter; and pay attention to the road conditions, avoid obstacles and difficult riding surfaces (including but not limited to slippery ground, loose sand, gravel and ice). Avoid slippery surfaces, loose sand, gravel and ice.)
- 8. Any form of modification to the scooter is prohibited.
- 9. It is recommended to wear protective glasses when riding. Stunts are not allowed during the ride.
- 10. To avoid distractions while riding the scooter, please do not wear headphones, earbuds, take phone calls, take photos, videos or do any non-riding related activities while riding, so that you can monitor the external environment well while riding.
- 11. Scooters are for one person only. No riding with a person, no riding with a child in your arms, and no riding with a pregnant woman.

Riding Environment Requirements

- 1. Please do not ride the scooter in snow, rain, slippery, muddy or icy conditions for any reason. When riding in rain or snow, water may enter the scooter and cause if the battery is humid, it may cause the risk of functional damage, fire and even explosion. Damage and loss due to water ingress is not covered by the warranty.

- 2. Do not ride in the following conditions, including but not limited to: inclement weather, low visibility, dawn, dusk, fog, smoke, at night, in the dark, or when the rider is extremely tired. Each of these conditions increases the risk of an accident.
- 3. Do not ride the scooter over obstacles (sand, gravel or barricades). Doing so may result in a loss of balance or grip, leading to a fall. When you encounter steep hills, uneven roads sections or other terrain you have not encountered before, please take care of your own safety and do not risk riding through them.
- 4. Do not ride on roads, motorways, areas near motor vehicles, steps and their vicinity, swimming pools and other areas with slippery water and other water, uneven surfaces, uneven surfaces and surfaces with loose materials that may affect your ability to ride. You are not allowed to ride a scooter on roads, motorways, areas near motor vehicles, steps and their vicinity, swimming pools and other areas with water, uneven surfaces, or surfaces with evacuated materials that may interfere with normal riding or threaten riding safety.

Rider Requirements

- This product is intended for use by users between the ages of 14-60. Minors need to be supervised by an adult. Riders should wear helmets, knee pads, elbow pads and other safety equipment. Please use a quality bicycle or scooter helmet with the straps tied at the right position on the chin.
- Persons who should not ride this scooter include.
- Persons under the influence of alcohol or drugs.
 - Persons who are unable to engage in strenuous physical activity due to illness.
 - Persons who are unable to maintain balance.
 - Persons whose body weight exceeds the prescribed limit (see "Basic Parameters").
 - Children under 14 years of age.
 - Pregnant women.
- High heels, flip-flops and open-toed shoes are prohibited. Long hair tied up to avoid accidents due to hair obstructing the view of the ride.

Check before riding

- 1. Please read this manual carefully before riding.
- 2. Before each ride of the scooter, please check the body carefully to make sure that any part including wheels, brakes, screws, etc. are not loose and signs of damage, and make sure the vehicle is in proper condition for driving. If the scooter makes a strange noise or alarm sound, please stop using it immediately and call the after-sales service number to get professional guidance or maintenance service.
- 3. In the state of low or empty power display, the scooter does not have enough power to maintain your normal riding, please make sure the power is sufficient before riding to avoid the danger.

Post-ride inspection

- 1. Do not touch the brake system of the scooter, otherwise it may cause injury.
- 2. Parking on a flat, solid surface is recommended. If parked on a slope, the scooter foot support must be oriented downhill to prevent overturning. Do not let the front of the scooter plunge down to prevent the feet from closing under the action of gravity and the vehicle from tipping over. After lowering the foot brace, please check that the car body is stable to prevent the vehicle from tipping over (due to sliding, wind or shaking). Do not park in busy areas. It is recommended to park against the wall.
- 3. Parking without power off may cause the car body to move spontaneously, causing damage to you and the people or property around you. Please be sure to power off before parking.

Other

- 1. Only use parts and accessories that are specified or approved by the seller. Do not modify your scooter. Modifications to the scooter may affect the operation of the scooter and result in serious damage and void the warranty.
- 2. Scooters are not medical devices and should not be used as a medical aid. Use of the scooter as a means of transportation is prohibited.
- 3. For a better riding experience, regular maintenance is recommended (please learn "Maintenance Schedule"). A-weighted emission sound pressure level is less than 70dB (A). The mechanical vibration emitted by the scooter is less than 2.5 m/s². When riding, the body vibrations will cause body vibrations to the rider.
- 5. Children should not use the scooter or play with the scooter's parts, nor should they perform activities such as cleaning or maintenance.

2.Product list

Product

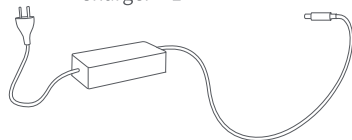


Accessories

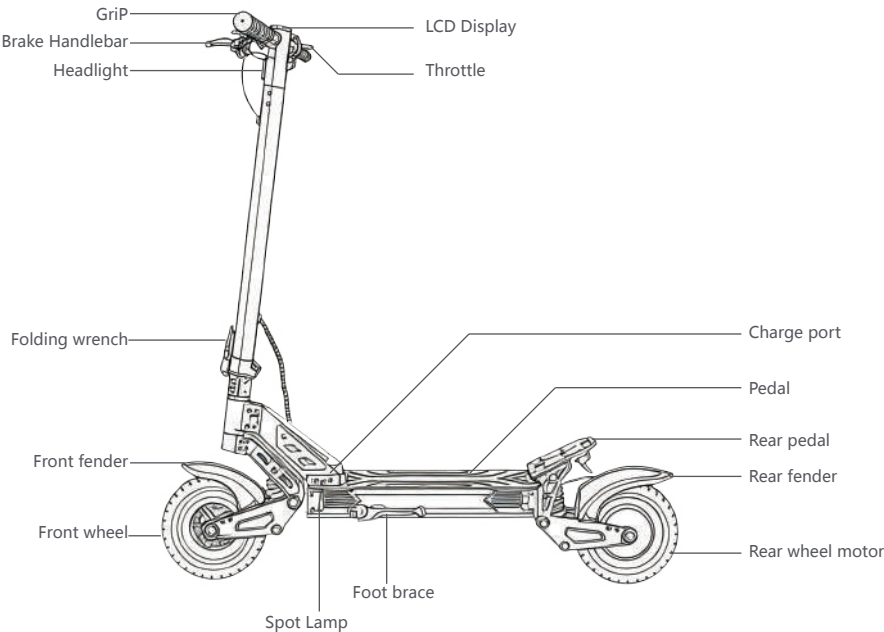
3 mm L-shaped wrench × 1

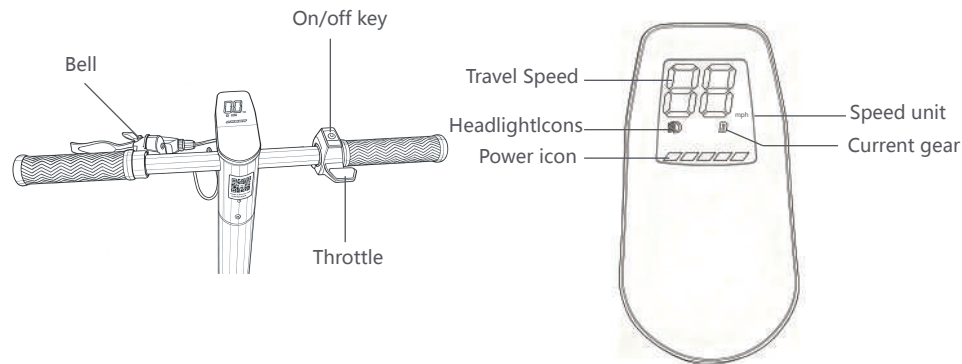


Charger × 1



3.Functional diagram





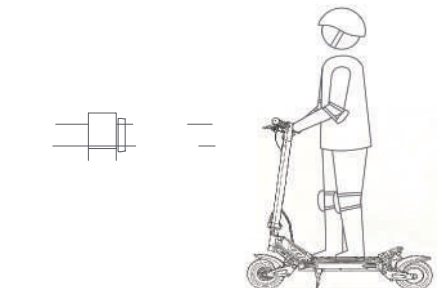
1. Long press on/off key to switch on/off, the power on buzzer has a "beep" sound, no operation for ten minutes to switch off automatically.
2. When the device is powered on, quickly press the on/off key twice to switch gears.
3. In the powered-on state, gently press the on/off key once to turn on the lights.

4. How to drive

*Check the power before riding, if the power is too low, please charge it immediately.

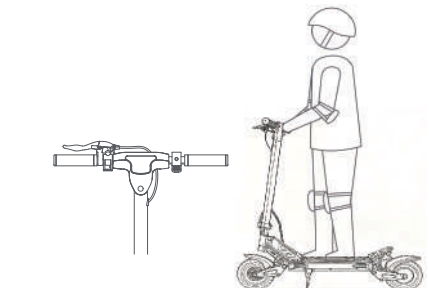


- 1 Sliding: Stand on the pedal with one foot, and push the other foot back.



- 2 Acceleration: step on the pedal with both feet and keep balance, and lightly press the throttle finger with the right hand.

*Motor starting requirements: vehicle speed $\geq 3\text{km/h}$.

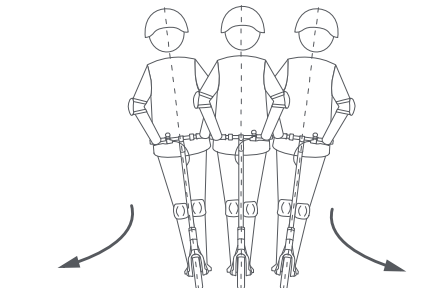


- 3 Deceleration: loosen the accelerator pedal/or press the brake handle.



Warnin

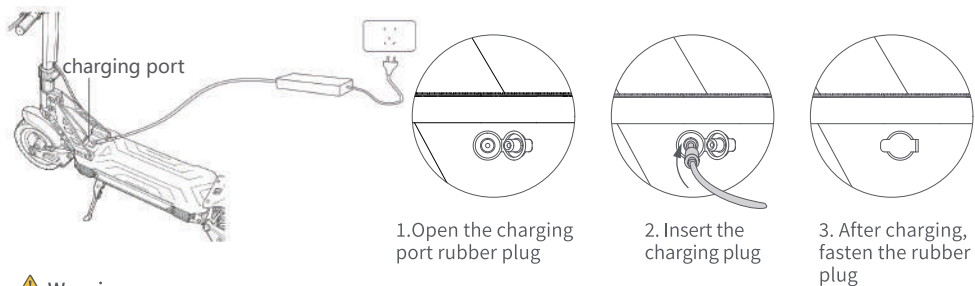
When braking suddenly, you may fall due to lack of tire grip and cause serious injury. Please maintain an appropriate speed, pay attention to observe the road conditions, and reduce potential risks.



- 4 Deceleration: loosen the accelerator pedal/or press the brake handle.

5.Charge

Charger indicator light: red—charging green—charging completed

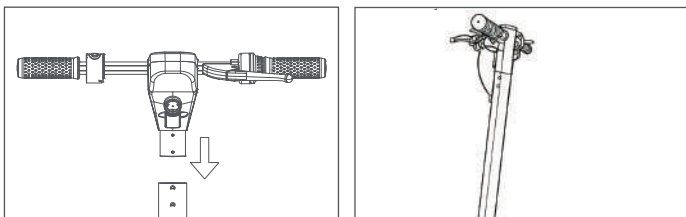


⚠ Warning

- Please do not charge when the charging port, charger or power socket is wet.
- When charging, only the original charger provided by our company can be used. Do not use any other models of chargers.
- If the battery is damaged or flooded, do not charge or continue to use the battery.
- If it is not charging or charging is over, please fasten the rubber plug of the charging port.
- Please do not charge outdoors.

6.Body assembly

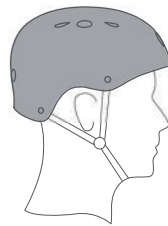
- 1 Put the handlebar set into the large tube and tighten the screws



7.Potential safety hazards, pay attention to avoid



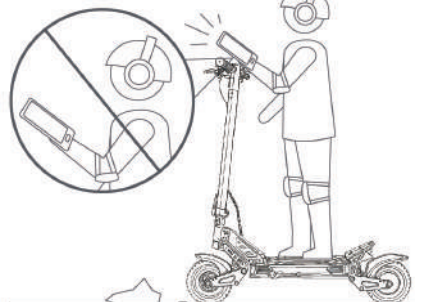
Failure to observe the following safety instructions could result in serious injury. All property losses and personal injuries arising therefrom shall be borne by the user.



Wear a helmet at all times while riding.



It is forbidden to enter public roads, motor vehicle lanes, and expressways.



Do not use your phone or wear headphones while riding a scooter.



Please avoid riding in the rain. Do not go straight through puddles. At this time, please detour at a low speed.



It is forbidden to ride with one hand or both hands off the handlebar while riding. Riding on one leg is prohibited.



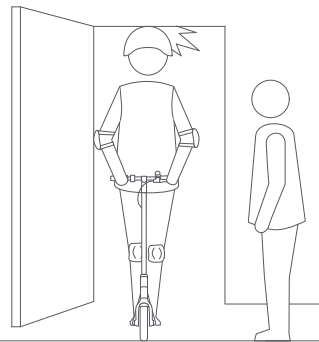
Do not wear high heels while riding.



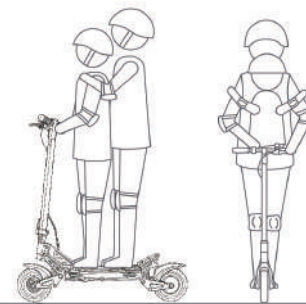
Do not park the scooter outdoors or in the open air for a long time.



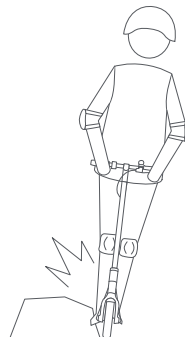
When encountering abnormal road surfaces such as speed bumps and potholes, please do not pass at high speed. Please maintain a medium-low speed (3.1-6.2mph) on rough roads. Bend your knees slightly to better adapt to the above complex road surfaces.



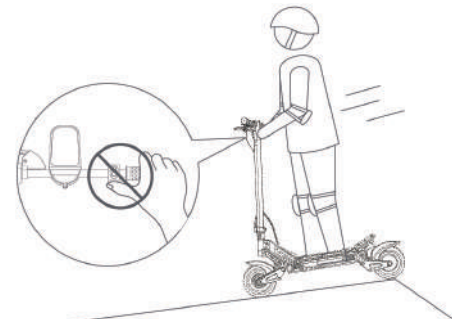
Avoid hitting high obstacles such as door frames and elevators.



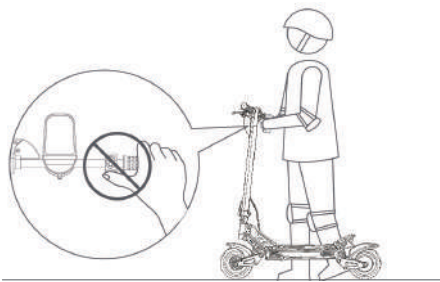
The scooter can only be used by one person, and it is forbidden to ride with others; it is forbidden to ride with children; it is forbidden for pregnant women to ride.



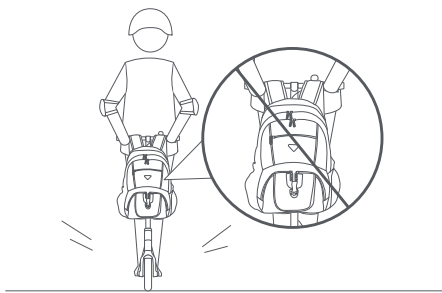
Be careful to avoid obstacles while riding.



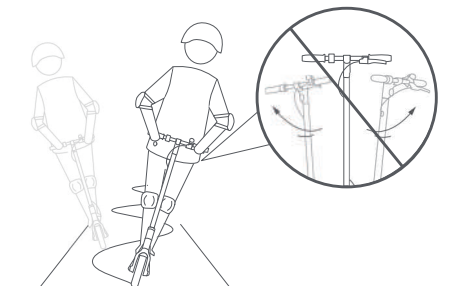
Please pay attention to control the speed of the vehicle when going downhill.



⚠ Do not press the accelerator pedal when pushing the car.



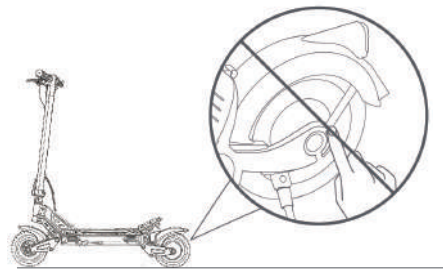
⚠ Do not hang heavy objects on the handlebars.



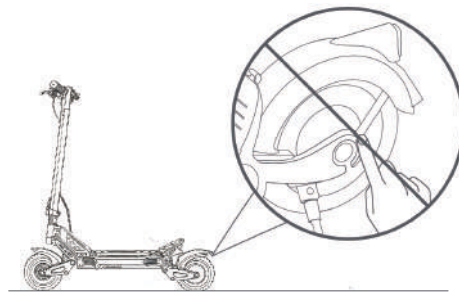
⚠ Do not turn the handlebars sharply while driving at high speed.



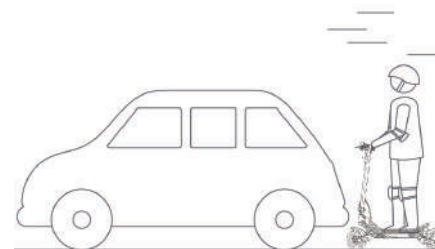
⚠ Do not step on the rear fender.



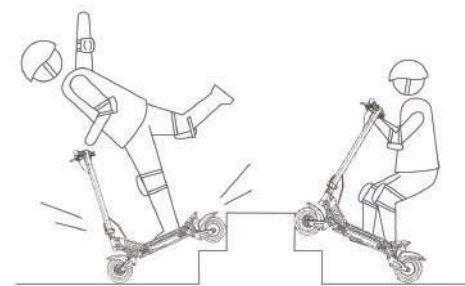
⚠ Do not touch the drum brake after riding.



⚠ Operation causes the hub motor to generate high temperature, please do not touch it.



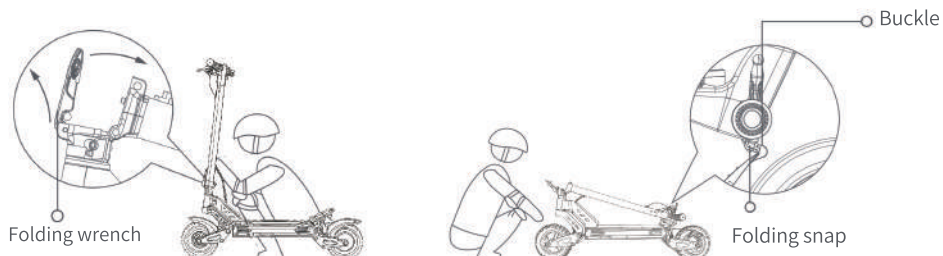
⚠ Do not overtake.



⚠ Riding scooters up and down steps or jumping over obstacles is prohibited.

8.Folding and handling

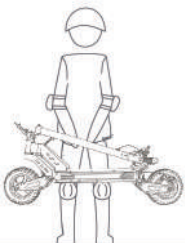
Tips: The following operations can only be performed after the power is turned off.



Fold

1.Hold the riser by hand, and open the folding wrench while the safety buckle is toggled upwards.

2.Fold the seat tube and use the folding snap ring to hook the snap on the rear fender.



Move

Once the scooter is folded, grip and lift the riser to carry it.

9.Daily maintenance and maintenance

Clean

Wipe the scooter frame clean with a soft damp cloth. In case of hard-to-clean stains, apply toothpaste and brush repeatedly with a toothbrush, then clean with a soft damp cloth.

Warning

- Before cleaning, please make sure the scooter is turned off, the charger has been unplugged and the rubber cover of the charging port is fastened, otherwise the electronic components may be damaged.
- Do not use alcohol, gasoline, kerosene or other corrosive and volatile solvents to clean your scooter. These substances may damage the exterior and internal structure of the vehicle body. It is forbidden to use pressure water gun or water hose to spray and flush.

Storage

When not in use, please park the scooter indoors or in the car to avoid damage caused by water entering the scooter in harsh environments such as rain and snow. The scooter should be stored in a cool, dry place. Please do not leave the scooter outdoors for a long time.

Warning

Sun exposure and extreme temperature conditions (excessive heat and cold) will accelerate the aging of plastic parts and may reduce battery life.

Battery maintenance

Warning

- Please use the original battery pack. Do not use other models or brands of battery packs, otherwise there may be a safety risk.
- Do not exceed the specified temperature limit when storing or charging the battery (see "Basic parameters").
- Do not touch the battery contacts, disassemble or puncture the case. Avoid metal objects touching the battery contacts to cause a short circuit, otherwise it may cause battery damage or personal injury or death.
- Do not throw the battery pack into fire, otherwise it may cause battery failure, overheating, or even risk of fire.
- Do not charge or continue to use the battery if the battery is damaged or flooded.
- Do not remove the battery. Removing the battery is complicated and may affect the operation of the car body.
- Please do not try to disassemble the battery, otherwise there is a risk of fire. Users are not allowed to repair the parts contained in this product by themselves.
- Do not ride the scooter when the ambient temperature exceeds the operating temperature of the product (see "Basic Parameters"), because low/high temperature will limit the maximum power. Doing so could result in a slip or fall resulting in personal injury or property damage.
- After each use, please fully charge the battery before storing, which is beneficial to prolong the battery life. Completely depleting the battery may cause permanent damage to the battery, so avoid completely depleting the battery.
- Improper disposal of used batteries may seriously pollute the environment. Please follow local regulations when disposing of this battery pack. Please do not discard this battery pack at will, and protect the natural environment together.

Tips

When the scooter is turned off, a fully charged battery will deplete its stored power after about 120-180 days; a low battery should be charged every 30-60 days. After using the scooter, please store it with a full charge. It is recommended to charge every 60 days, otherwise the battery may be over discharged. There is a smart chip inside the battery to record the charge and discharge of the battery. Damage caused by overcharging or overdischarging the battery is not covered by the warranty.

A battery in good maintenance condition will keep running well even after many miles of driving. Battery range and performance are best when used at room temperature of 22°C. However, when used at temperatures below 0°C, battery range and performance may be reduced. In general, the range and performance of the same battery at -20°C is only half of that at 22°C. When the temperature rises, battery life will recover.

10.APP connection

This product has been connected to **tuya** , and you can control it through the **tuya** APP and communicate with other products.Scan the QR code, download and install the **tuya** APP, users who have installed the **tuya** APP will directly enter the device connection page. Open the homepage of **tuya** APP, in the upper right corner of the page Click "+" to add devices according to the APP prompts.

Reminder: With the upgrade and update of **tuya** APP, the actual operation may be slightly different from the above description, please follow the current guidelines in **tuya** APP.

Bluetooth reset: Press the ON key 4 times continuously to reset the Bluetooth.



11. Basic parameters

	Item	Parameters	
Basic information	Product name	Electric scooter	
	Products model	F60	
	Product size	1280x515x1270mm	
	Folded size	1280x515x515mm	
	NW/GW	29.79 kg	32.18kg
Riding requirements	Maximum load	120kg	
	Applicable age	14-60 years old	
	Applicable height	120—200cm	
Scooter	Maximum speed	About 20mph	
	Maximum battery life ^[1]	28mile	
	Maximum climbing angle	About 35%	
	Applicable terrain	Asphalt road / flat road /sandy land/muddy ground	
	Working environment temperature	-10°C—40°C	
	Storage environment temperature	-10°C—50°C	
	Protection level	IPX 54	
	Charging time	About 5-6h	
Battery	Rated voltage	48V ---	
	Maximum charging voltage	54.6V ---	
	Rated power	720Wh	
	Rated capacity	15Ah	
	Charging temperature	0°C—40°C	
electric motor	Smart BMS	Overcharge protection, overheat protection, overdischarge protection, short circuit	
	Rated power	700W	
	Input voltage	100—240V~50/60Hz	
	Maximum output voltage	48 ---	
	Rated output	54.6V --- 3A	
Charger	Output power	163.8W	
Tire	Front and rear tires	10 inches solid tires	

[1] Maximum battery life: refers to the full charge, 60kg load, ambient temperature 25°C, and 60% of the maximum speed when driving on a flat road at a constant speed.

* Factors affecting battery life include: speed, number of starts and stops, ambient temperature, etc.

12、Fault Inspection

1.Instrument Fault Code Correspondence Table

Fault Code	Fault Description
E0	Brake handle fault
E1	Communication fault
E2	Hall wire fault
E3	Over-temperature protection
E4	Controller fault
E5	/
E6	Locked-rotor
E7	Runaway break-down or Accelerator abnormality
E8	Over-current protection
E9	Over-voltage protection

2.Routine Fault Inspection and Handling

1. Unable to Charge

Abnormal performance: After connecting the charger, the charging indicator light does not turn on, or the battery level remains unchanged after charging for a period of time.

Possible causes: Charger damage, loose or oxidized charging interface, battery pack fault.

Inspection and handling:

- Check whether the charger plug and wire are damaged. Use a multimeter to test whether the output voltage of the charger is normal. If damaged, replace it with a charger of the same specification.
- Check whether the charging interface is dusty or blocked by foreign objects. Clean it with a dry soft brush. If the interface is loose, try to reinsert it or check whether the metal contacts inside the interface are oxidized. Gently wipe with an eraser. If the above operations are ineffective, it may be a battery pack fault. Contact professional maintenance personnel to test the battery pack voltage and single battery performance. Replace the battery pack if necessary.

2. Motor Does Not Rotate

Abnormal performance: After turning on the power, the motor has no response and cannot drive the scooter forward.

Possible causes: Motor Hall sensor damage, motor wiring disconnection, controller fault, power switch or circuit problem.

Inspection and handling:

- Check whether the instrument has a fault code. Refer to the fault code table.
- Check whether the power switch is in poor contact, whether the wiring is loose or disconnected. Repair or replace damaged parts.
- If the above operations are ineffective, it may be an internal fault of the motor. Contact professional maintenance personnel for inspection.

3.Motor Noise

Abnormal performance: The motor makes harsh, friction or irregular noises during operation.

Possible causes: Damaged bearings inside the motor, friction between the motor

Inspection and handling:

- Check whether there are foreign objects on the shaft, whether there is wear or jamming. If the shaft is damaged, replace it with a shaft of the same model and add an appropriate amount of lubricating grease.
- If the above operations are ineffective, it may be an internal fault of the motor. Contact professional maintenance personnel for detection.

4. Brake Failure

Abnormal performance: Insufficient braking force during braking, unable to decelerate or stop effectively.

Possible causes: Severe wear of brake pads, loose or broken brake wires, brake caliper fault.

Inspection and handling:

- Check the thickness of the brake pads. If the thickness is less than 2mm, replace the brake pads. For the disc brake system, check whether the disc is worn or deformed. Replace the disc if necessary.
- Check whether the brake wire is loose or broken. Adjust the tightness of the brake wire. If the brake wire is broken, replace it with a new one.
- Check whether the brake caliper is stuck or damaged. Clean foreign impurities inside the caliper. Repair or replace damaged parts.

3.Maintenance Plan (Recommended Use)

Detection Object	Specific Operation	3-month/ inspection	500km/ 6 months	1000km/ 1 year	3000km/ 3 years
Tyre	Observe whether the tire has cracks, deformations, or flat tread patterns; Is it lagging/jumping/skewing.			√	√
Motor	Accelerate and decelerate while riding to observe whether the motor has jamming or abnormal noise.			√	√
Full vehicle screws	Check whether the screws are loose. If so, it is recommended to use fastening screws and apply an appropriate amount of thread glue.	√	√	√	√
Abnormal noise	Find the abnormal noise location and check whether there is vibration, looseness, deformation, etc.	√	√	√	√
Brake	Check whether the braking is normal during riding. Check whether the brake pad wear is normal.	√	√	√	√
Brake light	Press the brake in the power-on state to see if the brake light is on/blinking	√	√	√	√
Display screen	Observe in the power-on state whether the battery level indicator and speed display of the instrument are not displayed or missing.	√	√	√	√
Charging status	The charger charging light is normally red, and green when fully charged.	√	√	√	√
Key check	Repeatedly turn on and off three times without failure.		√		√
APP detection	Whether the App prompts corresponding error information and error codes	√	√	√	√
Appearance maintenance	After using the vehicle, pay attention to wiping the appearance parts clean.		√	√	√

13.Warranty

1.From the date of receipt to the warranty period, if this product occurs mal-functions or is damaged, if can be repaired, exchanged, or returned for freeafter being tested and confirmed by the brand after-sales center when applying, please contact the product seller and follow the instructions. At thattime, you need to provide accurate, complete, and valid purchase informa-tion or invoices.

Component Name	Service Content	Service period
Controller	Performance failure that cannot be restored, free replacement within 12 months Replace with a new one (not covered by warranty due to water ingress or human error).	12 months
Motor	The motor is covered by a 12-month warranty (excluding warranty for water ingress or human factors, naturally)Damage and attenuation are not within this range.	
Frame	Natural damage and rupture can be replaced (not covered by warranty due to human error).	
Battery components	After inspection, the capacity is less than 50% of the rated capacity or belongs to For quality issues (battery water ingress, not covered by warranty due to human error).	6 months
Folding upright pole / fork Front and rear shock absorbers	Performance failure, natural damage can be replaced (not covered by warranty due to human reasons).	
Charger	Performance failure that cannot be restored, free replacement within 3 months Replace with a new one (not covered by warranty due to water ingress or human error).	3 months
Fender / Kickstand	Quality, material fracture, free replacement within 3 months (not covered by warranty due to human error)	
Display	Performance malfunction, no light, replaceable within 3 months (not covered by warranty due to human error)	
Throttle Headlights/taillights light bar	Performance malfunction, no light, replaceable within 3 months (not covered by warranty due to human error)	1 month
Brake lever brake actuator brake disc	Quality and performance failures cannot be restored, can be replaced free of charge (no warranty for human reasons)	
Other accessories	Outer tire/inner tube/folding handle/decorative rubber plug/footrest/ front forkDecorative parts/seat bags and seat tubes belong to daily consumption items such as consumablesResulting in not being covered by warranty	

2.Warranty Card

Please fill in the following information clearly and completely when servicing the product.

User Information	Name	
	Email	
	Mailing Address	
	Contact PhoneNumber	
Product Information	Product Name	
	Product Specifications	
Retailer Information	Name	
	Address	