USER MANUAL

F10



Notice to Users

1. Please read this Product Manual carefully before use for proper operation
2. Please carefully check whether the parts are complete afainst th is Product Manudl before your ride for the sake of safety.Contact y our dealer in time in case of any problems.
3. Please follow the traffic laws. Slow down on rainy or snowy days on slippery roads. Increase the brakingdistance for the sake of safe ty.
4. The scooter can operate on rainy or snowy days, onslippery roa ds. Increase the braking distance for the sake of safety.
5. Do not dismantle the scooter on your own.
   Please contact the after-sales service for replacement or purch ase of original parts.
6. Do not lend your F10 to those who can’t operate an E-scooter f or the safety of others and for prevention of unnecessary damage to your scooter.
7. Please keep the Product Manual and the Warranty Card Proper ly.
8. 严禁打开钥匙时拔插电池。

Precautions

1. Rider and Passenger

F10 is not designed for a ride of more than 2 persons.

2. Road Conditions

F10 is only suitable for riding on highways.

3. Please carefully read this Maintenance Manual.

Warning: Failure to follow the instructions herein may lead to serious casualties!
Caution: Failure to follow the instructions herein may lead to personal injury or damage of parts!
Note: Provide useful information.

4. This Product Manual should be deemed as a permanent document of F10 E-Scooter. If this scooter is transferred to others, this Product manual should be hander over to the new owner as well. Without the written consent of the Company, reproduction or reprint of any part of this Product Manual is prohibited.

Safety Notice

1. Wear a safety hamlet

Using a quality hamlet is the priority for protection. Useproper pr otective goggles as well.

2. Know yours F10

Your riding skills and mechanical knowledge is the foundation for safe riding. You are advised to practice your riding on open, quiet er roads, and know the mechanical performance and operation m ethods first.

3. Know your riding skills

Always ride the scooter within your skill range. Know your riding s kills and the operation methods of the scooter so as to prevent ac cidents.

4. Notice for Riding on Rainy Days

It should be noted that the braking distance on rainy days should b e twice of that on sunny days. Always avoid the roads with paint m arkers, manhole covers and oil stains to prevent sliping. Pay extra attention when riding through railway crossings, iron fences and br idges. Slow down if road conditions are unclear.

5. Do not use the high beam light indiscriminately.
Continuous use of the high beam light on urban loads and pedest rian-packed roads may disturb the vision of the drivers and pedes trians and affect normal, safe driving. Do not use the high beam li ght when the road is well-lighted.

6. Do not make or receive calls while riding.
Making or receiving calls while riding is one of the main reasons f or inattention and will easily cause accidents. Please stop the sco oter before you make or receive calls.

7. Do not change the lane at will.
Changing the lane at will is one of the important reasons for acci dents. When you need to change the lane, remember to switch o n the Turn Indicator first. Check the scooters approaching for beh ind and change the lane when it’s safe.

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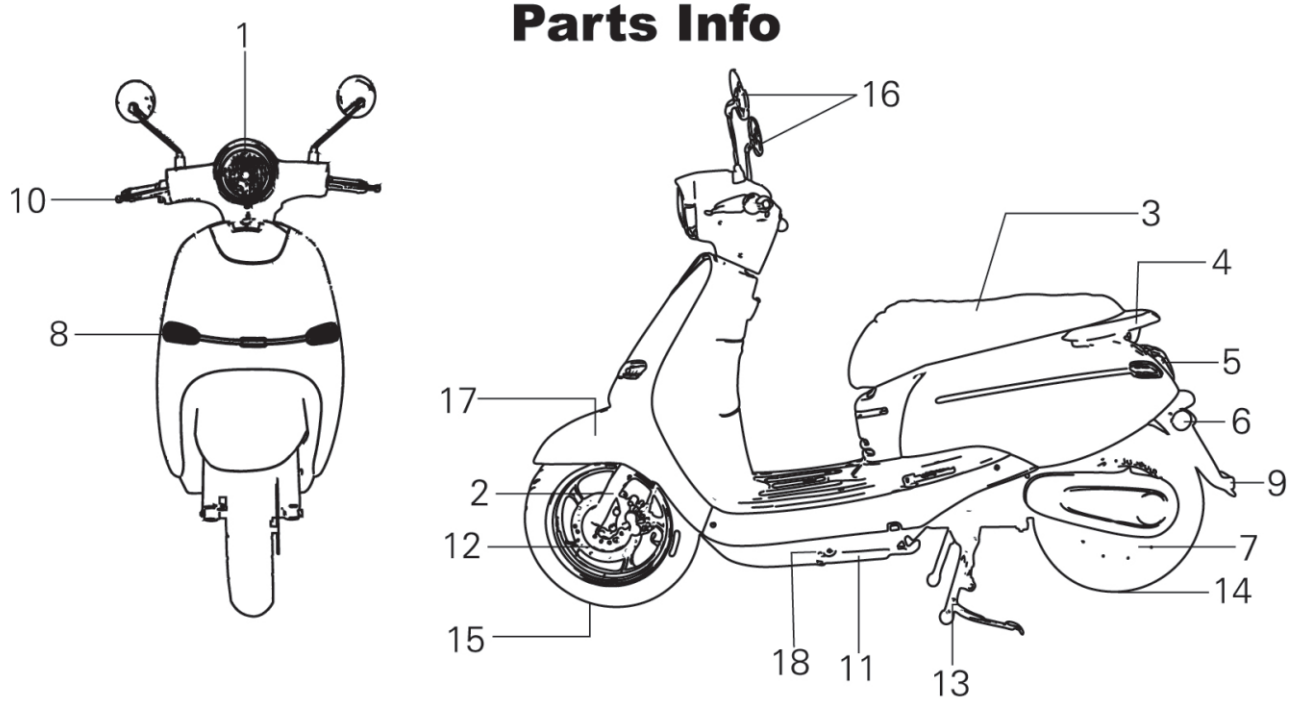
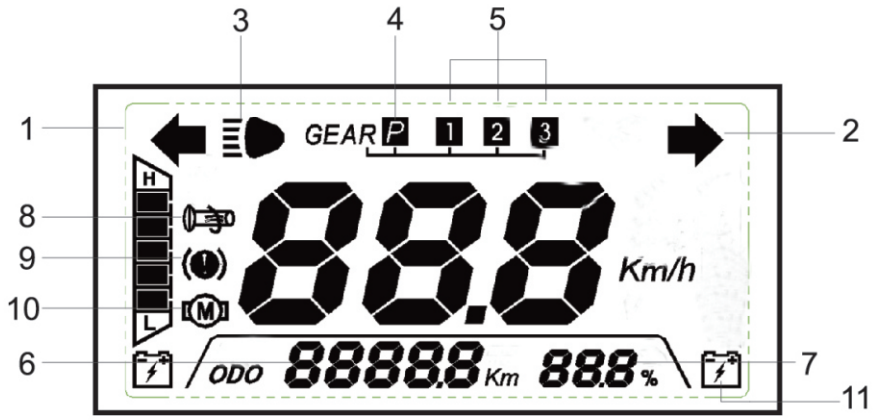
Parts Info



1. Head light
2. Front shockabsorber
3. Battery
4. Rear carrier
5. Rear light
6. Rear Front change direction a light
7. Motor
8. Front change direction a light
9. Rear Reflect(LR)
10. Brake levers(LR)
11. Stand side
12. Front discbrake
13. Main stand
14. Rear tyre
15. Front tyre
16. Mirror
17. Rear fender
18. Stand of switch

Parts Info

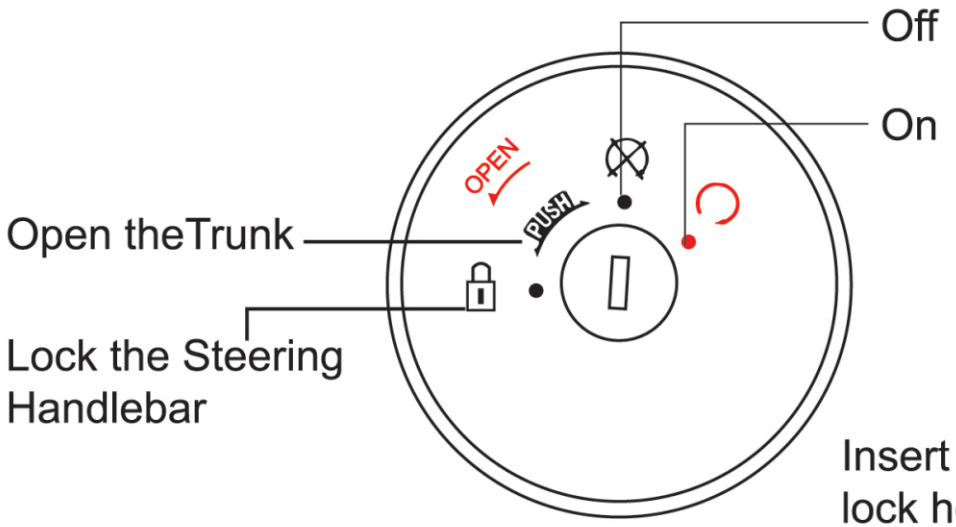


1. Left Turn	7. Battery Percentage
2. Right Turn	8. Throttle handle failure
3. High Beam Light	9. Brake fault
4. 停车指示	10. Motor fault
5. 档位显示	11. 闪烁时低电量提示10%
6. Total Kilometers Travelled	

电量提示详解	
1. 81-100%; 五格	5. 11%-20%; 一格
2. 61-80%; 四格	6. 6%-10%; 一格闪烁框闪烁
3. 41-60%; 三格	7. 0%-5%; 零格闪烁框闪烁
4. 21-40%; 二格	

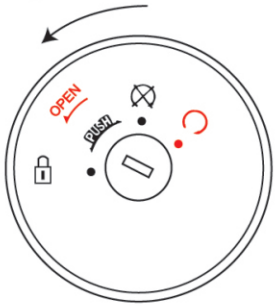
Operational Guide

△ Icon Illustration

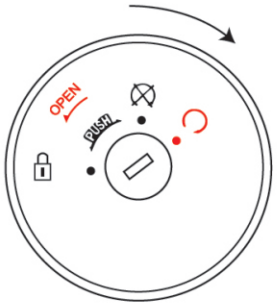


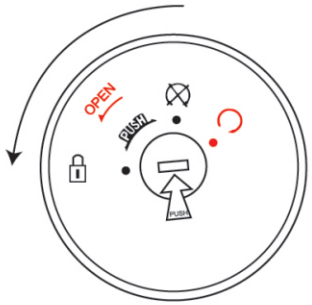
Insert the key into the lock hole and turn it on and off to open and lock the Trunk.
Turn to‘ 🔒 ’ to lock the steering handlebar

Open theTrunk



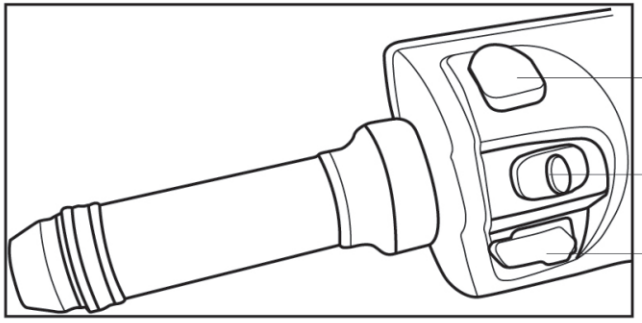
Start the scooter



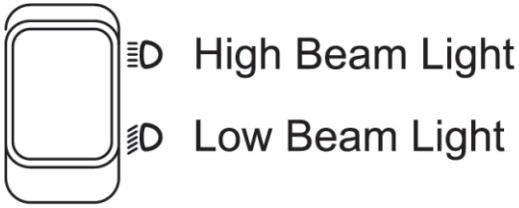


Operational Guide

△ Left Combination

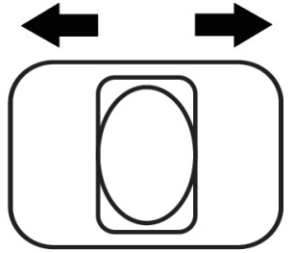


① High/Low Beam Light: Press the upper part to turn on the high beam light;press the lower part to turn on the low beam light.

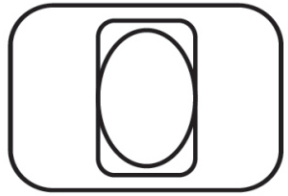


② Turn Indicator: Push the button left to turn on the Left Turn Indicator; push the button right to turn on the Right Turn Indicator. Press the button to reset and the Left /Right Turn

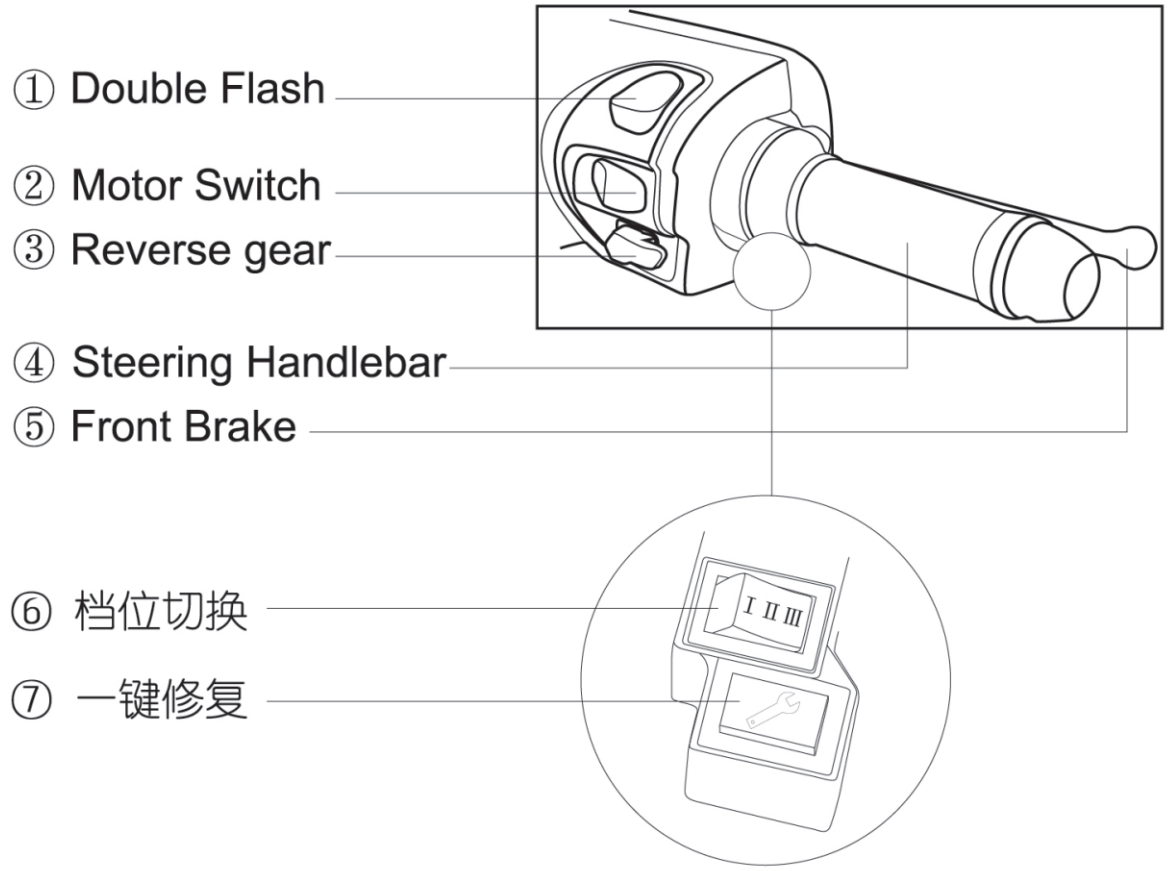
Push the button left/right to turn on the Left/Right Turn Indicator.



Press the button to reset .



△ Right Combination



Operational Guide

△ Battery Use Environment

The battery is to be used at the ambient temperature range from -10℃ to 45℃.
Do not expose the battery to water, beverages or corrosive liquids to prevent passible leakage, overheat, smoking, fire or explosion.
Do not keep the battery close to heat source, open fire, inflam mable and explosive gases and liquids, Metal objects in the b atery compartment may lead to leakage, overheat,smoking or explosion.
In case of undesirable odor, overheat or deformation of the ba ttery, please disuse the battery innediately, keep away from th e battery and contact the after-sales service.

Warning: The battery is not a repairable part by the user. In case of battery fault, please contact the after-sales ser vice.
Users dismantling the battery may lead to leakage,overh eat,smoking, fire or explosion.

△ Battery Use Environment

Charging on the scooter

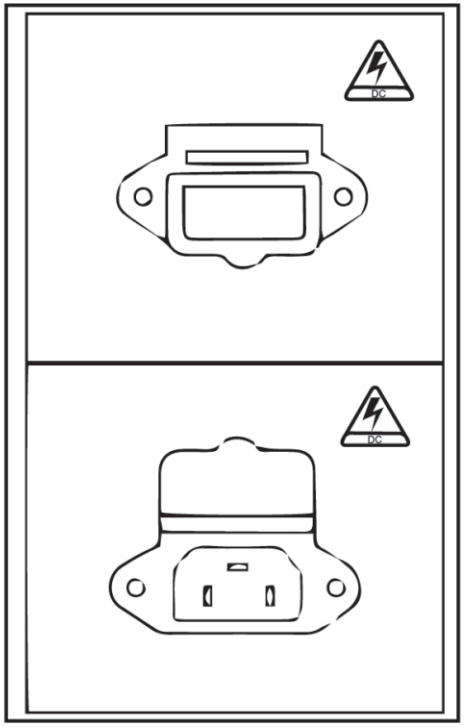
① Gently open the charing port on the scooter， plug the charging plug into the charging socket. After the c harging indicator turns from green t o red charging indicator turns from green to red,charging is started.

② Insert the key and unlock the sco oter during charging to show the cu rrent battery on the meter panel.

Not Charging on the scooter

① Remove the battery from the sco oter.

②Plug the charging plug into the ch arging socket. When the charging in dicator turns from red to green, char ging is finished.



Attention:

If the battery is not full after charging for over 24hours， please stop charging and contact the after-sales service. Tomaximize the battery life, users are advised to keep the battery percenta ge within the range of 20% to 80% as practicably as possible.
Please use the accelerator handlebar gently in a normal ride.
Do not keep the battery at an ambient temperature over 40℃ s o as to prevent irreversible capacity loss of the battery At low t emperatures, the lithium battery capacity will lose at varying de grees. To be more specific, the usable capacity at -10℃ is 70%, that at 0℃ 85% and that at 25℃ 100%. The best battery capac ity for storage is 50%. Storage of battery less than 10% full or m ore than 90% full over a long period of time will cause irreversib le capacity loss of the battery.
For storage over a long period of time, please keep the battery a t an ambient temperature from -20℃ to 40℃, and have a charg e and a discharge at least once a month so as to minimize batte ry capacity loss in storage

Dos and Don’ts in Riding

△ Checks before Riding

Please make the following checks before you ride the scooter. Do not overlook the importantce of these checks. Complete them one by one before riding.

Check Description	Key point
Steering Handlebar	1. Steadiness 2. Flexible steering 3. No axial displacement or loosening
Braking	1. Braking handlebar has a 5 to 9mm idle travel. 2. The air pressure range of the front tyre is 20 to 25psi; the air pressure range of the rear type is 26 to 32 psi.
Tyres	1. Normal air pressure 2. Proper tire tread depth 3. No cracks or openings
Battery	Adequate for planned distance to travel
Lights	Check all the lights-High beam light, low beam light, bar ke light, turn indicator, etc. to ensure that they can work.
Horn	Check whether the horn can work

△ Braking Precautions

Always balance the scooter before braking. If the tires are locked r esulting from excessive braking force,loosen the grip on the braking handlebar and the tires will be working again and the scooter will be stabilized. If the front tire is locked, the scooter will lose the ability to steer. Try to maintain a 1:1 ratio of front and back braking force on s lippery roads.

Attention:
The inexperienced drivers tend to use the rear brake only, w hich will accelerate the wear of the brake and result in a lon g stopping distance.

Warning:
Using the front brake or rear brake only is dangerous becau se of possible grip or control loss. Pay extra attention and u se the brakes gently when riding on damp, slippery roads a nd around the corners. Riders slamming on the brakes will be exposed to great danger.

Maintenance and Repair

To extend the service life of the scooter and for a safe, comfortable ride, users are advised to have the scooter checked and maintaine d on a regular basis. A scooter not used for a long period of time al so needs to be checked on a regular basis.

△ **Regular Maintenance**

The first maintenance should be conducted one month after purcha se or after a travelling distance of 500km. An overall check and mai ntenance should be conducted in our after-sales service every 6 m onths or 3000km thereafter. Regular check and maintenance are ai med for the safety of the scooter and the rider.

Attention:

If the scooter is frequently subject to such use conditions as ov erload, high-speed, bumpy roads, uphill and downhill riding, the maintenance cycle should be shortened. Original parts made fr om quality materials and rigorously tested are recommended fo r guaranteed quality and service life, and for best scooter condi tions and riding safety. Parts are under normal warranty.

Daily Maintenance

If abnormalities are found during checks and the scooter needs cle aning, maintenance or parts replacement, users may have checks and maintenance in reference to the Home Repair Instruction or se nd the scooter to the dealer' s for checks and maintenance.

Warning:

If incapable of repair or adjustment on his/her own, the scooter to send the scooter to the dealer' s for maintenance and adjust ment for the sake of safety. Always choose a smooth surface ro ad for repair and adjustment and unfold the central stand befor e repair and adjustment. If it' s necessary to repair the scooter the scooter during a ride, please mind the traffic.

A. Brake Adjustment

If abnormalities are found during checks and the scooter needs cle aning, maintenance or parts replacement, users may have checks and maintenance in reference to the Home Repair Instruction or se nd the scooter to the dealer’ s for checks and maintenance.

B. Air-break Switch

The scooter is equipped with an air-break switch. If the switch is dis connected, remember to identify the cause before connecting the s witch.

△ **Scooter Washing**

Please use a hose and wash the scooter with running water and n eutral detergent. Wipe the scooter with a piece of soft clothafter w ashing. Do not use a piece of dry cloth to prevent scratching.

Warning:
Never use a pressure wash the scooter. Do not wash the two si de, the rear and the inner of the battery compartment with a pre ssure washer. Do not flush the upper side cover on the rear wh eel where the charger, controller and other parts are installed, s o as to prevent damage by water. If the scooter falls to the grou nd by accident, the AC high-voltage charger may be wet. In that case, do not charge before the charger dries to prevent an elec tric shock. Repair in the service center is recommended. Do not use it before it' s properly checked.

△ **Storage Method**

Short-term Stoage:

1. Keep the scooter on flat, steady surfaces in well-ventilated an d dry places;
2. Charge the battery to 50% full before storage to ensure the se rvice life of the battery;
3. Avoid exposed to the sun and rain as practicably as possible t o reduce damage or aging of the parts;
4. Charge the battery to 100% full for long-term storage.

5. If the scooters installed with batteries are stored indoor or in safe places like showrooms or packed for short-distance trans portation in transport vehicles, the air-break switch should be d isconnected to prevent potential electrical fault.

Long-term Storage:
1. Please disconnect the air-break switch in the storage compa rtment and the battery power supply circuit before long-term st orage to prevent excessive discharge of the battery;
2. Remember to have a charge and a discharge at least every two months for long-term storage, and charge the battery to 50 % full before storage to ensure the service life of the bbattery.
3. Please charge the battery to 100% full before use after long-term storage.
4. Check all the parts carefully and make sure that there is no a bnormality before taking in ride on the road. In case of any abn ormality, send the scooter to the dealer’ s for maintenance or re pair.

Regular Maintenance Checklist			
Regular Safety and Performance Check	Brakes	Structural Check	Wheel Bearing
	Lights		Vibration Damper
	Horn		Central Stand
	Electric Parts		Steering Bearing
	Fuse	Major Parts	Battery
	Tyres		Main Wiring Harness
Structural Check	Lubrication		Control System

Regular Maintenance Checklist		
Fault Description	Fault Cause	Troubleshooting Method
No output after the power is on	1. Dead battery 2. Air-break switch disconnected	1. Charge the battery. 2. Connect the air-break switch.
Motor failure when turnning the steering handlebar after the power is on	1. Low battery voltage 2. The power off switch is enabled resulting from grasping the brake ing handlebar 3. the scooter not started	1. Charge the battery. 2. Do not grasp the braking handlebar when starting the scooter. 3. Refer to the “Start the Scooter”section of this Manaul.
Battery charge failure	The plug of the battery not properly connected with the battery socket	Check whether the pulg is loosened

Regular Maintenance Checklist		
Fault Description	Fault Cause	Troubleshooting Method
Check whether the plug is loosened	1. Low battery 2. Under-inflation of tyres 3. Frequent braking and overload 4. Battery aging or normal capacity loss 5. Low battery capacity resulting from low ambient temperature	1. Charge the battery and check whether the plug is properly plugged in and whether the charger is damaged. 2. Check the tyre inflation before each use. 3. Develop good riding habits. 4. Replace the battery. 5. Normal phenomenon.
Sudden stop during a ride	Dead battery	Charge the battery.
	Identify the fault cause in reference to the meter panel fault codes.	

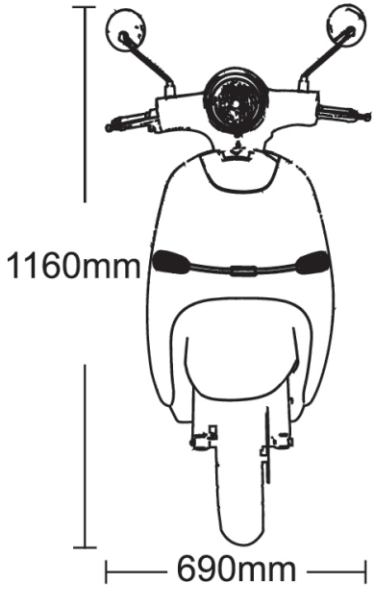
Regular Maintenance Checklist		
Fault Description	Fault Cause	Troubleshooting Method
Displayed in the meter panel	1. Wires loosened 2. Communication device damage	1. Check whether the wires are loosened. 2. Please send the scooter to the service center for professional checks.
	Communication fault of the controller	Please send the scooter to the service center for professional checks.
	Communication fault of the battery management system	Please send the scooter to the service center for professional checks.
	Controller fault	Please send the scooter to the service center for professional checks.

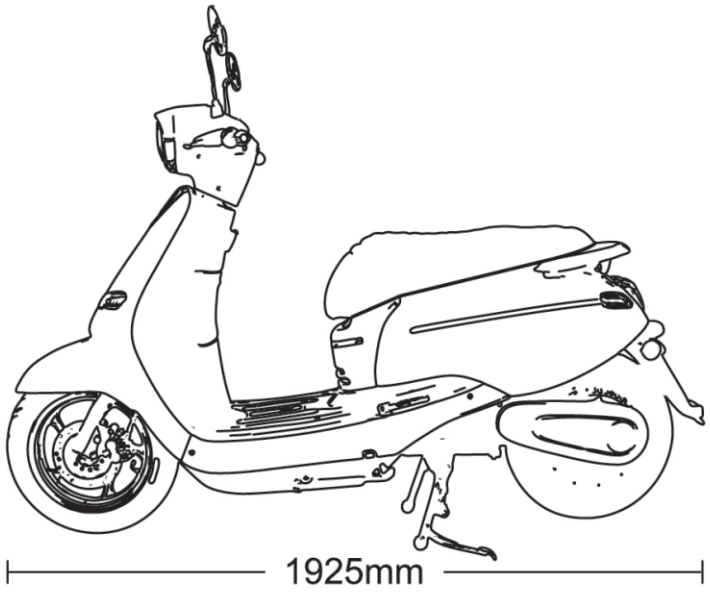
Regular Maintenance Checklist		
Fault Description	Fault Cause	Troubleshooting Method
Displayed in the meter panel	Suspended operation of the controller (possibly caused by overcurrent, locked-rotor, overvoltage, undervoltage, overtemperature)	Stop the scooter and restart it later.
	Verification failure of controller start identification	1. Turn off and turn on the main switch again.
		2. Please send the scooter to the service center for professional checks.
	Motor failure	Please send the scooter to the service center for professional checks.

Regular Maintenance Checklist		
Fault Description	Fault Cause	Troubleshooting Method
Displayed in the meter panel	Motor overtemperature	Stop the scooter and restart it later.
	Steering handlebar failure	Please check the wires of the steering handlebar or send the scooter to the service center for professional checks.
	Battery overcharge	Stop charging the battery.
	Battery overdischarge	Stop riding and charge the battery.
	Charge overcurrent	Stop charging the battery and check whether the charger is damaged.

Technical Parameters

Key Features			
Product Weight	80kg	Gradeability	15°
Rated Voltage	60V	Maximum Designed Speed	25/45km/h
Maximum Load	200kg	Braking Distance	≤5m
Designed Capacity		2 persons	





Frame	
Front Damper	Sleeve and oil damping
Rear Damper	Spring and oil damping
Front Tyre Specifications	110-70-12
Rear Tyre Specifications	110-70-12
Front Brake Mode	前手动碟刹
Rear Brake Mode	后手动碟刹
Minimum Ground Clearance	170mm
Battery System	
Voltage	60V
Capacity	28Ah
Standard Charging Current	4A
Maximum Discharging Current	40A

Power System	
Motor	Permanent-magnet Brushless Motor
Motor Maximum Power	1500W/3000W
Controller Maximum Current	35A/45A
Electrical System	
Headlight	12V LED
Turn Indicator	12V LED
Taillight	12V LED
Brake Light	12V LED
Meter Panel	12V LCD
Central Control Unit	5V/1A

Maintenance Record

Date	Fault Description	Fault Cause and Troubleshooting Method	Service Station	Serviceman	Remarks

Maintenance Record

	Fault Description	Fault Cause and Troubleshooting Method	Service Station	Serviceman	Remarks



UK MODEN

Add: No.99, Haixiu Rd, EDA, Taizhou Bay
Taizhou city Zhejiang Province, China
Tel: 0086-0576 82435020