

# **iE-M8**

## **User Manual for Electric Scooter**



# Read Me Firstly

Dear user,

Thanks for purchasing this electric scooter. This electric scooter is an environmentally-friendly high-tech product as well as an ideal means of transport that features excellent shock absorption, streamlined appearance, portability and flexibility, good riding comfortability, high safety and reliability. For better understanding of the characteristics, technical parameters, correct use and maintenance, precautions and safe-sale services of this scooter, see to it that you read this user manual carefully before using it.

1. DO NOT use the scooter before learning about its performance.
2. DO NOT lend your scooter to anyone who cannot operate it, juveniles, pregnant women, or the disabled.
3. DO NOT arbitrarily discard spent batteries to avoid pollution to the environment; see to it that they are handled by your distributor or service provider.
4. For sake of your own safety, please check whether the braking system functions well before using the scooter.
5. For safety reasons, DO NOT cover the charger and keep it well ventilated during charging, best to charging outdoor.
6. For safe use of this product, DO NOT arbitrarily disassemble or modify the circuit or parts of the scooter.
7. In case of any abnormality, power the scooter off to stop it in order to ensure your safety.
8. Images included in this user manual are intended for operation demonstration and may not be used for the basis of product inspection.
9. In the event that images included in this user manual might not be in conformity with the real product, the real product shall prevail.
10. Product performance and configuration that may be improved from time to time are subject to change without prior notice.

Enjoy your riding!

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# 1.Check the package

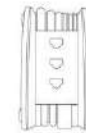


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User Manual for Electric Scooter



M5\*25 x2pcs  
M5\*16 x2pcs  
M5\*8 x4pcs

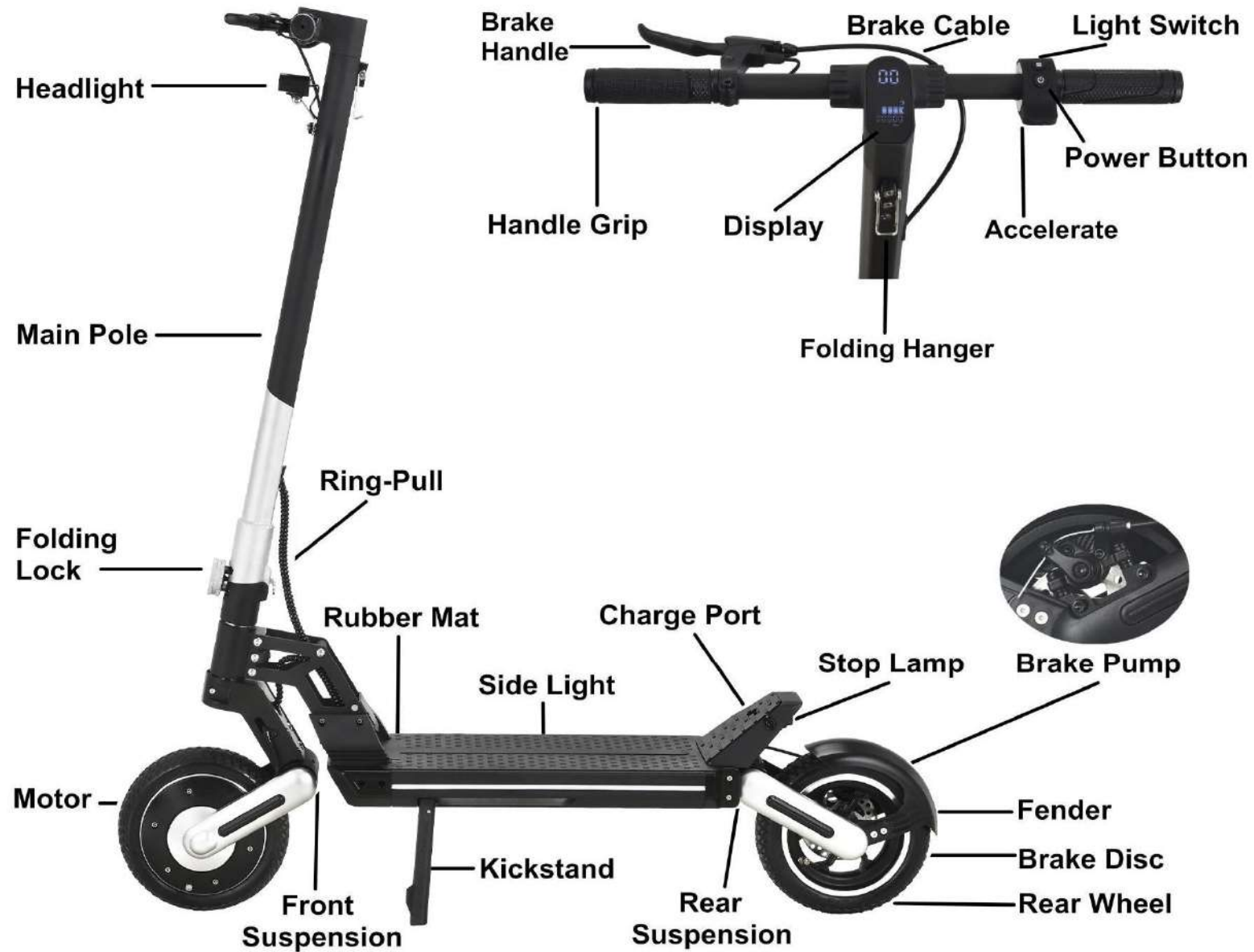


Allen Wrench



Charger

## 2.Product overview



### **3. Assembly**

1. Upright the Main Pole, and the ring-pull will be self resetting. Install the folding lock.

Make the main pole upright, then tight the folding lock, to make sure the main pole no rock.

2. Make the wires of display and integrated line connected together.

3. Install the folding hanger, tight the two screws(M5\*25) for the Folding hanger of main pole.

The other two screws are M5\*16.

4. Install both side four screws(M5\*8) of fender.

5. Fold the Main Pole

(1) Loose the folding lock, then pull the ring-pull meanwhile push the main pole down.

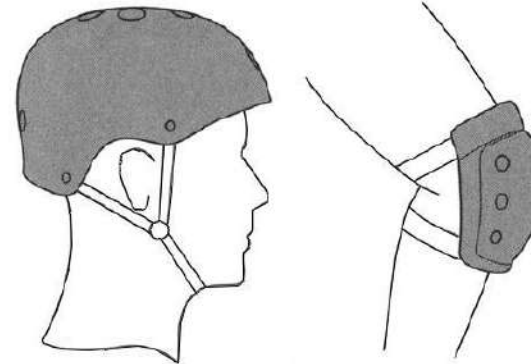
(2) Put the folding hanger into the folding hanger holder, then you can take the scooter away by your hand.

## 4.Riding Basics

### Preparation for riding

Prepare the product according to the instructions.

- Always wears a helmet and safety gear to avoid falling and injury during the driving learning as shown in the figure.
- Keep away from vehicles and crowded areas.
- DO NOT ride in waterlogged areas where deeper depth exceeds 1/3 of wheel diameter.



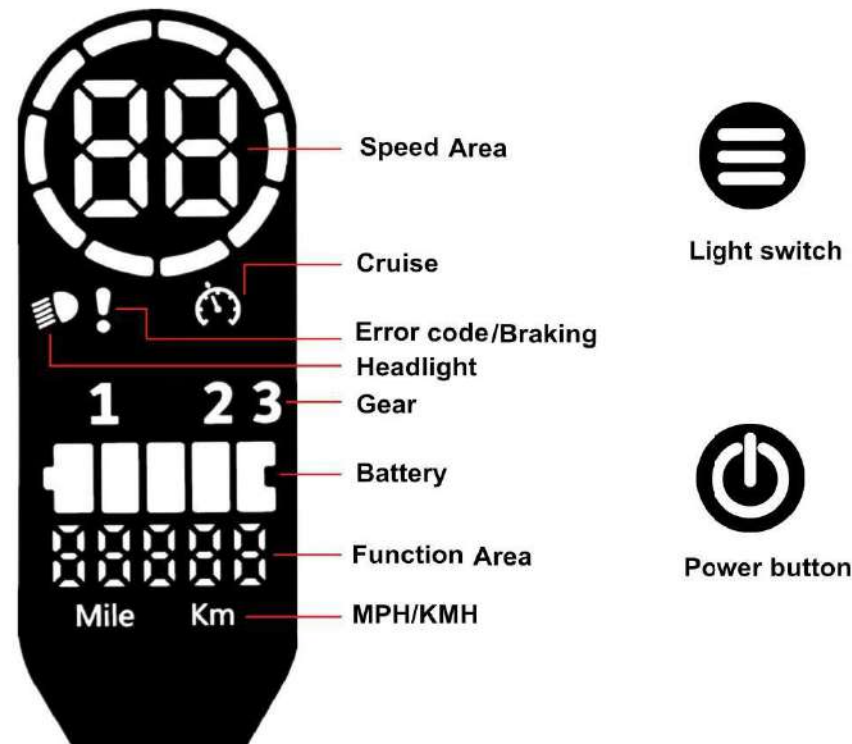
### Check before use

1. Check whether the wheels rotate well and whether tire pressure is in a normal range.
2. Check whether the battery has been fully charged.
3. Check whether the braking system works flexibly and make sure that the power is cut off when braking.
4. Check whether the folding mechanism has been locked up.

### Operations

1. **Startup:** when the power switch is turned on, the indicator on the display will be on, which means the scooter is powered up. Then regulate the gear to an appropriate gear, press the accelerator slowly and rotate it to an appropriate position based on speed to keep the scooter running at a safe speed.
2. Avoid frequent braking or startup while riding, which helps prolong the battery's service life. When decelerating, release the accelerator and hold left power-cut brake handles, the power will be cut off when braking, to make sure the scooter stops immediately. Max speed of this scooter is about 36km/h(loading 75kgs) on the flat road.
3. When riding at night, turn the front/back LED light on. Turn the electric switch to lock position when parking in order to ensure safety.

## 5.Display operation



1. Long press the “Power button ”3seconds to turn on/turn off the scooter.
2. Short press the “light switch” to adjust the speed mode(1,2,3).
3. Long press the “light switch” 3seconds to turn on/turn off the head light.
4. When you press brake handle it shows “!”, meaning brake working.

If the “!” shows on the display, meanwhile show the the Error code(E-01...06) on the Function area, you need check the Error.



<b>E-01</b>	<b>Motor error</b>
<b>E-02</b>	<b>Accelerator error</b>
<b>E-03</b>	<b>Controller error</b>
<b>E-04</b>	<b>Brake handle error</b>
<b>E-05</b>	<b>Controller under voltage</b>
<b>E-06</b>	<b>The plug of integrated line and controller disconnect,or display broken</b>
<b>E-07</b>	<b>The plug of integrated line and controller disconnect, or controller broken</b>

### Pre-set the scooter

- Press the “power button ” and the “light switch” at the same time to enter the setting mode.
- The speed area shows 02 that means the parameter “P02”, the function area shows the parameter of “P02”,
- You can short press the light switch, the function area will flash, then short press light switch to up the parameter of P02, short press power button to down the parameter of P02, then long press light switch to save the setting you have adjusted, then short press the power button to next setting mode.
- After adjusting the parameter, waiting 8seconds to exit automatically.

<b>02</b>	<b>Range unit change</b>	<b>Mile mode or KM mode</b>
<b>04</b>	<b>Sleep time</b>	<b>0 means no sleep, other number are sleep time 1-60 mins</b>
<b>06</b>	<b>Diameter of wheel</b>	<b>Keep the value as “100”</b>
<b>07</b>	<b>Measurement Speed</b>	<b>Keep the value as “30”</b>
<b>09</b>	<b>Startup setting</b>	<b>0 means kickstart Mode, 1 mean non-kickstart mode.</b>
<b>15</b>	<b>Speed limit</b>	<b>Keep the value as “100”</b>
<b>16</b>	<b>Cruise</b>	<b>0-non, 1-with cruise mode</b>
<b>99</b>	<b>Function Reset</b>	<b>On this screen,short press then long press the light switch for 6s</b>
<b>d0</b>	<b>ODO Reset</b>	<b>On this screen, short press then long press the light switch for 6s</b>

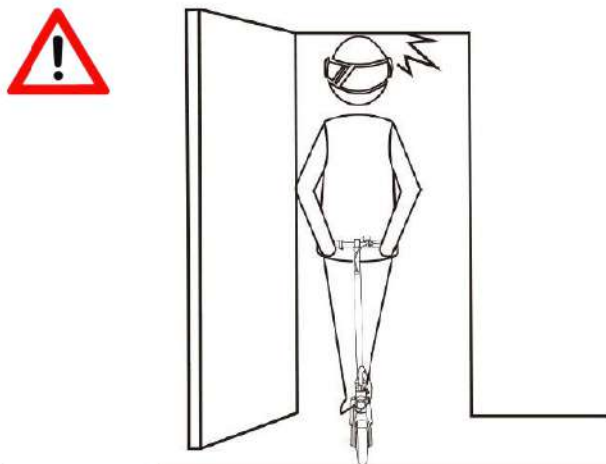
## 6.Riding Notice



**Do Not ride in the rain.**



**Please keep a medium or low speed(7km/h) when you ride through speed bumps,bumpy roads or other uneven surfaces slightly bend your knee to better adjust mentioned surfaces**



**Look out for doors, elevators and other overhead obstacles.**



**Do Not Accelerator when you go downhill.**



**Do not press the accelerator when walking with the scooter.**



**Always steer clear of obstacles.**

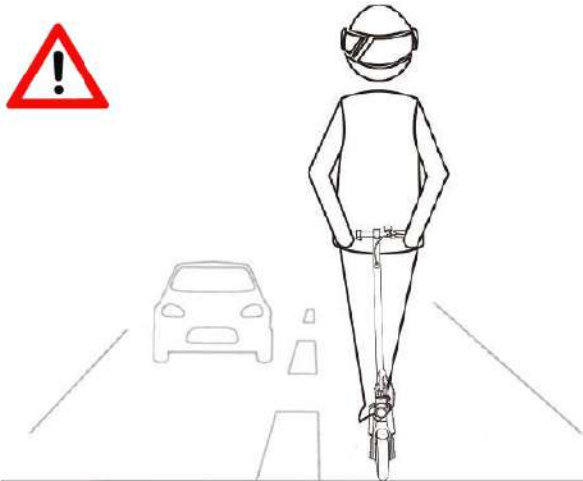


**Do Not hang bags or other heavy stuff on the handlebar.**

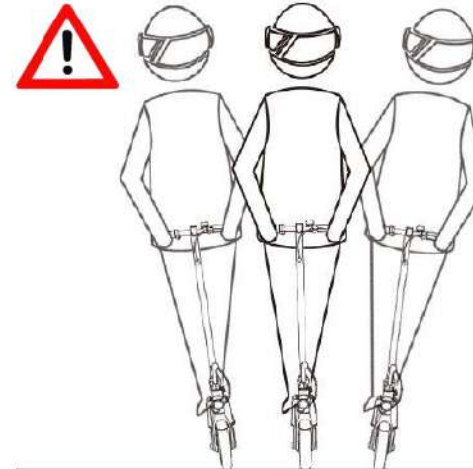


**Keep both feet on the deck all time.**

## 7.Dangerous Actions (No Attempting)



**Do not ride in traffic lanes or residential areas where vehicles and pedestrians are both allowed**



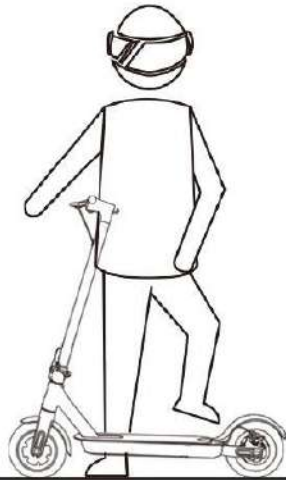
**Do not turn the handlebar violently during high-speed riding**



**Do not ride in a ponding water is higher than 3cms.**



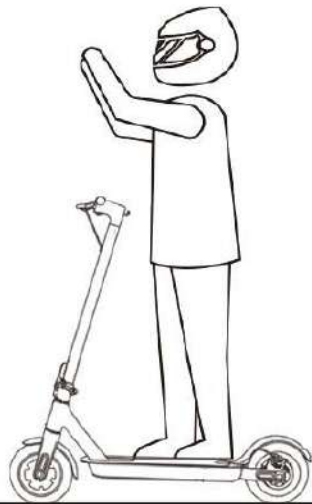
**Do not ride with anyone else including children.**



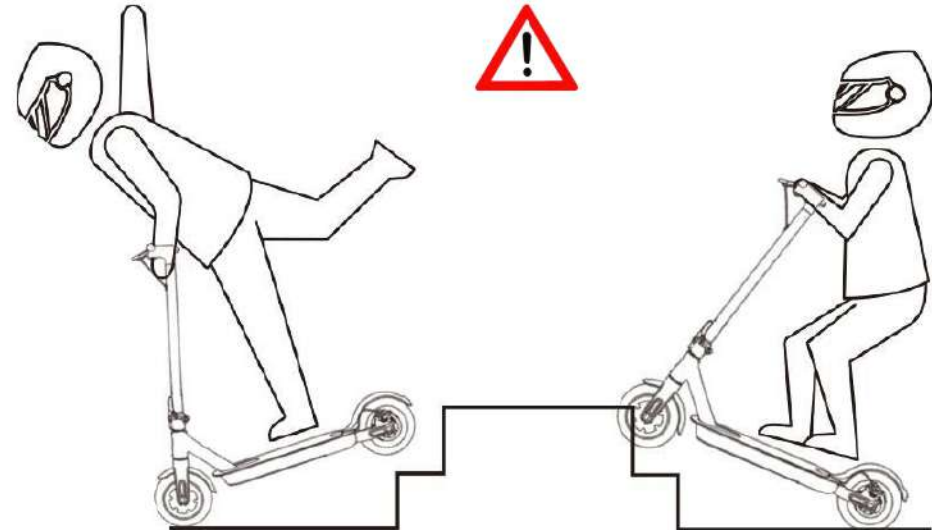
**Do not keep your feet on the rear fender.**



**Do not touch the brake disc by your hand.**



**Do not keep your hands away from handlebar.**



**Do not try riding up or down stairs, and jumping over obstacles**

## 8.Parameters

Specifications	Content	Note
Net-weight	21.3kg	Without package and accessories.
Loading weight	120kgs	264lbs
User age	16-50 years old	
Max speed	25-36km/h	15.53-22.36mph
Trip distance	20-35km	Measured when fully charged on a flat road at an average speed of 25km/h with loading of 75kg.
Gradient	12~17°	12°for a rider weighing 75kg
Applicable temperature	-10℃~40℃	Most applicable temperature range is 20℃~30℃
Battery	48V 10Ah	
Motor power	500W	Front motor
Charger	54.6V 2A	Output
Folding size	114*51*52cm	44.88*20.07*20.47inch
Full size	114*51*123cm	44.88*20.07*48.42inch
Package size	116*22*53cm	45.67*8.66*20.87inch
Charging Time	4-6h	
Tyre size	9.5inch	

## **9.Safety Instructions**

The electric scooter is a leisure device. But once they're in a public area, they'll be seen as vehicles, subjecting to any risks faced by vehicles. For your safety, please follow instructions in the manual and traffic laws and regulations set forth by government and regulatory agencies.

- At the same time, you should understand that risks can not be entirely avoided as others may violate traffic regulations and drive incautiously, and you're exposed to road accidents just as when you're walking or biking. The faster the scooter is, the longer it takes to stop. On a smooth surface, the scooter may slip, lose balance, and even result in a fall. Thus it is crucial that you use caution, keep proper speed and distance, especially so when you're unfamiliar with the place.
- Respect pedestrians' Right of way. Try not to startle them while driving, especially children. When you ride from behind pedestrians, ring your bell to give them a heads-up and slow your scooter to pass from their left (applicable to countries where vehicles drive on the right). When you ride across pedestrians, keep to the right at a low speed. When you drive across pedestrians, keep the lowest speed or getting off the scooter.
- Closely follow the safety instructions in the manual. We shall not be liable for any financial losses, physical injuries, accidents, legal disputes and other interest conflicts resulted from actions that violate user instructions.
- Do not lend your scooter to whoever doesn't know the operations. And when you do lend it to your friends, please take the responsibility to ensure he/she knows the operation and wears the safety gear.
- Check the scooter before every use. When you note loosen parts, low battery alerts, excessive wear, strange sounds, malfunctions and other abnormal conditions, stop riding.
- WARNING-Risk of Fire-No User Serviceable Parts.

# **10.Daily Care and Maintenance**

## **Cleaning and storage**

**·If you see stains on the scooter's body,wipe them off with a damp cloth.If the stains won't scrub off,put on some toothpaste,and brush them with a toothbrush,then wipe them off with with a damp cloth.**

**Notes:do not clean the scooter with alcohol,gasoline,kerosene or other corrosive and volatile chemical solvents to prevent dire damage.**

**·Do not wash the board with a high-pressure water spray.During cleaning,make sure that the scooter's turned off, the charging cable is unplugged,and the rubber flap is closed as water leakage may result in electric shock or other major problems.When the scooter not in use,keep it indoors where it is dry and cool.**

**·Do not put it under excessive sunlight,over heating and over cold for a long time that will accelerate the battery pack's lifespan.**

## **Use of Battery and maintenance**

**·Use original battery packs,use of other models or brands may bring about safety issues;**

**·Do not touch the contacts.Do not dismantle or puncture the case.Keep the contacts away from metal objects to prevent short circuit which may result in battery damage or even injuries and deaths;**

**·Use original power adapter to avoid potential damage or fire;**

**·Mishandling of used batteries may do tremendous harm to the environment.To protect natural environment, please follow local regulations to properly dispose used batteries.**

**·After every use,fully charge the battery to prolong its lifespan, and charge/discharge once a month if possible.**



**·DO NOT place inflammables under the charger because heat is generated while it is charging. It is prohibited that the charger is covered or surrounded by anything so as not to affect heat dissipation. The charger shall be used in a well-ventilated place. In the event that there is peculiar smell, smoke, or excessive temperature (higher than 60°C) from/on the charger, stop charging immediately and have it repaired in the maintenance department.**

***·Lithium battery maybe dangerous when charging, please charge it outdoors.***

## **Storage and Disposal**

- 1. Please try to store the scooter in a cool and dry place between 14`F and 104`F or -10°C and 40°C.In extremely humid environments the interior of the scooter may suffer condensation or even water accumulation,which may damage the battery rapidly.Devices are not intended for use at elevations greater than 2000m above sea level Prolonged Exposure to UV Rays,Rain and the Elements May Damage the Enclosure Materials,Store Indoors When Not In Use.**
- 2.In daily use,try to avoid recharging the scooter after completely exhausting the battery is low,charge it as soon as possible.**
- 3.Check whether or not the electric part of power-cut brake is well connected and whether the fasteners are loose.  
Make timely adjustment if any.**
- 4.Make periodical examinations and maintenance, generally once every three months.**
- 5.PLS KEEP THE ORIGINAL PACKING WITH LINING OF SCOOTER CAREFULLY FOR BETTER AFTER-SERVICE.**

# 11.Trouble shooting

Symptom	Reason	Solution
The scooter can not be turned on	<ol style="list-style-type: none"> <li>1.Low battery</li> <li>2.When charging can not be turned on</li> <li>3.Battery problem</li> <li>4.The lines are loosen or disconnect, like the display with integrated line, the battery with the controller</li> <li>5.The power button broken</li> <li>6.The display broken, not shown</li> </ol>	<ol style="list-style-type: none"> <li>1.Charge the battery</li> <li>2.Disconnect with charger</li> <li>3.Better to check the battery discharge port voltage to check if the value is right</li> <li>4.Open the scooter to check the lines</li> <li>5.Change new switch</li> <li>6.Change new display</li> </ol>
Turn off automatically	<ol style="list-style-type: none"> <li>1.Run out of battery</li> <li>2.When you riding this happened</li> <li>3.Display problem</li> </ol>	<ol style="list-style-type: none"> <li>1.Charge the battery</li> <li>2.Better to check the battery discharge port voltage to check if the value is right</li> <li>3.Change a new one</li> </ol>
Press accelerator motor no working	<ol style="list-style-type: none"> <li>1.Left power-cut brake handle problem (stop lamp flashing)</li> <li>2.If “1” can not be solved, you need check the controller the power-cut line</li> <li>3.The spring in the accelerator is stuck or fails</li> </ol>	<ol style="list-style-type: none"> <li>1.You can disconnect the power-cut plug, if stop lamp no flash, change brake handle</li> <li>2.Disconnect the power-cut line of controller If stop lamp no flash, change a new controller</li> <li>3. Replace for a new accelerator</li> </ol>
Side light no light	<ol style="list-style-type: none"> <li>1.If one side, maybe the side light strip broken</li> <li>2.If two side and the stop lamp no light at the same time</li> </ol>	<ol style="list-style-type: none"> <li>1.Change a new one side light strip</li> <li>2. The reduced voltage kit broken, if only two side light strip no light, maybe both side light broken</li> </ol>

<b>Short trip distance</b>	<ol style="list-style-type: none"> <li>1. Battery undercharge;</li> <li>2. Low tire pressure;</li> <li>3. Frequent uphill riding or riding against wind, frequent brake, heavy load;</li> <li>4. Aging of li-ion battery;</li> <li>5. Friction in braking mechanism;</li> <li>6. Normal battery capacity degradation due to low ambient temperature;</li> <li>7. Continuous riding at a high speed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Have the battery fully charged;</li> <li>2. Pump up the tire;</li> <li>3. Avoid frequent braking, startup or heavy load;</li> <li>4. Replace for a new set of battery;</li> <li>5. Adjust the brake;</li> <li>6. It is normal,</li> <li>7. Ride at an intermediate speed.</li> </ol>
<b>Battery charge failure</b>	<ol style="list-style-type: none"> <li>1. Loose connection between the charger plug and battery socket;</li> <li>2. Battery cable of BMS disconnection;</li> <li>3. Charger failure</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace the plug/socket;</li> <li>2. Re-weld the battery cable ;</li> <li>3. Repair the charger or replace for a new one.</li> </ol>
<b>Stop lamp no light</b>	<ol style="list-style-type: none"> <li>1. Side light no light either</li> <li>2. Only stop lamp no light</li> </ol>	<ol style="list-style-type: none"> <li>1. Change a new reduced voltage kit</li> <li>2. Change the stop lamp</li> </ol>
<p><b>Notes</b></p> <ol style="list-style-type: none"> <li>1. Faults listed above have been provided with corresponding solutions. In case the faults cannot be solved following those solutions, please contact our sales department or have it repaired in our after-sale service department. DO NOT disassemble the product arbitrarily.</li> <li>2. DO NOT disassemble important parts within the warranty period, otherwise they won't be covered by warranty.</li> </ol>		

## 12.After-sale Services

Thanks for purchasing this electric scooter. To protect your lawful rights and identify mutual rights and obligations between you and us during after-sale services and maintenance, please read this warranty statement and keep your warranty card properly. You will enjoy the after-sale services provided by our designated after-sale service department by the warranty card and purchase invoice.

(1) Warranty periods for major parts of the electric scooter:

Part Name	Warranty Period	Exception	Note
Li-ion battery	Six months	1.Damage due to long-term power lack. 2.Influent	Replacement out of the warranty period will be charged at cost price
Controller	One year	1.Influent 2.Damage by strong deliberate impact	Replacement out of the warranty period will be charged at cost price
Motor	One year	1.Influent 2.Damage by strong deliberate impact	Replacement out of the warranty period will be charged at cost price
Brake handle, disc brake, Display, accelerator, electronic brake plastic part, tire, LED lights, and other quick-wear parts.		Quick-wear parts are not covered by warranty	Replacement of parts that are not covered by warranty will be charged at cost price

**Note:**

Major parts of scooter: battery unit, motors, charger, and controller have been labeled before delivery. Note that those major parts without labels are not covered by warranty.

**The following circumstances are not in the scope of free maintenance:**

- 1. Consumables and quick-wear parts are not covered by warranty: (LED lights, tires and tubes, the whole set of braking system, plastic parts, brake cable, and cover, etc.);**
- 2. Warranted parts that are beyond the warranty period;**
- 3. Damages caused by users for not strictly complying with the instructions.**
- 4. Damages or quality issues due to accidental impact, crash, and contact with corrosive substance;**
- 5. Purchase invoice is inconsistent with the warranty card;**
- 6. Parts damaged by unauthorized disassembly or modification, or cases where technical evaluation and analysis can not be conducted since the initial fault conditions are destroyed due to such unauthorized disassembly or modification.**
- 7. By no means should appearance issues be the basis for exchange or warranty once the scooter is sold.  
Please check the appearance and confirm surface quality carefully in the purchase.**
- 8. Damages caused by modifications without the prior consent of our company or our authorized sales and service center.**

Warranty Card

Dear user, Thanks for using our electric scooter. Please fill in the form below clearly for sake of better after-sale services.

User	Name		Workplace	
	TEL			
	ADD			
Date of Purchase			Serial number	
Model			VIN	
Invoice Number			Battery serial number	
Distributor	Name			
	Contact			
Note				

**PLEASE ALWAYS KEEP THE BOX FOR ANY POSSIBLE FUTURE AFTER-SALES SHIPMENT.**