

Make a good scooter with heart



# Electric Scooter Installation Instruction manual

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# Preface

Dear customer:

Thank you for using the company's products--electric scooter. With an electric scooter in life, you will be keenly aware of the powerful function of the company's outstanding performance and electric scooter. Excellent quality can bring you a pleasant trip.

Thank you for your care and love, our development is inseparable from your support and Trust. The company adhering to Science and technology to achieve the free life of the product concept. High-end technology Fashion life with the spirit of innovation lead lifestyle. Companies to establish science and technology, happiness, security. The concept of enterprise, adhere to customer first, product quality first and service-oriented principle for survival. Basic principle.

At the same time, the company to develop environmental protection and energy saving responsibility, independent innovation research and development of new products, And continue to explore the wide application of green energy in daily life, truly realize "zero pollution Zero emission, we would like to build a free and happy life with the power of science and technology, to achieve a higher Production standards and higher quality product configuration, the industry leader.

Please read the instructions carefully before using this product. Know. Please keep this manual for future emergencies, In particular, to remind you The company's special parts, when there is any doubt, please contact our authorized dealer or Technical service center.

Contact number: \_\_\_\_\_

The company will be happy to provide you with timely, efficient and quality service.

# **Warning items**

- The battery is not close to the fire,as far as possible to avoid close to flammable and explosive places,contact corrosive objects.
- Do not disassemble the battery box body,to avoid the battery output terminal short circuit and damage the battery.
- It is forbidden to use wire or conductor to connect the positive and negative poles of the battery in order to avoid unnecessary danger-Battery damage.
- The battery must be handled with care to avoid falling from the air,damage to the shell,the risk of accidents.
- Battery charging should be in a dry,ventilated environment,to avoid moisture,away from flammable and explosive ring Exit
- Special battery charger is not allowed to disassemble disassemble. The charger and the battery box can not cover any article,to avoid bad heat,damage the charger And battery.
- Batteries should be kept away from children playing area.
- This product has switching gear,speed limit function,under normal circumstances do not speeding.(national standard 25mph
- Casual dismantling of the body,will give you an electric scooter caused by unsafe hidden dangers and potential hazards.
- Try to avoid using on bumpy roads,rails,gravel,stairs,running to Explosion proof tyre,rim deformation,damage your electric scooter.
- Do not use the front brake when braking at high speed or downhill, so as to avoid danger of the center of gravity forward.
- Must check and confirm the safety and reliability of the brake, frame,handlebar,wheel,saddle,etc.,Avoid accidents.



# **Warning items**

- Caliper brake, brake, brake disc, v shaped, with the brake block part of brake prohibited oiling, lest cause Brake failure.
- Do not hang heavy objects on the handlebar, in order to avoid unnecessary accidents caused by operational control.
- Scooter suitable for a person to ride, because the car with limited energy, overweight, will cause insecurity Hidden danger
- A rainy day ride, wear a poncho, not a single hand umbrella, when driving, please consciously abide by traffic law Gauge.
- Please wear helmets and other protective equipment when riding, pay attention to riding safety.

## **CHECK BEFORE RIDING**

1. The saddle must be adjusted in a comfortable and safe position.
2. The instrument must be correct and the lamp and horn are working properly.
3. Brake handle must be sensitive and reliable, whether the motor braking power.
4. Speed switch must be flexible, reliable, no clearance and loose motion.
5. Front and rear tire gas must be adequate, wear is normal.
6. Rotating parts of the flexible non blocking phenomenon.
7. Front axle nut must be tightened without loosening.
8. After the nut must be tightened without loosening.
9. Check whether the battery is sufficient before riding.
10. The car pole fold safety must be secured in place.

# CYCLINGGUIDE

1. Before you read this manual carefully and do not understand
2. the performance of electric scooters, please do not ride. Before riding, please carefully check the parts are intact, in order to ensure your safety, if found, please contact us.
3. For the safety of you and others, please observe the traffic regulations. Should drive in the slow lane, not with people, not suitable for electric scooters running on bumpy or steep road, in the road, please ride slowly or get off the implementation, slippery lot please ride slowly, rain and snow and water road ride is not recommended.
4. Electric scooter riding is not afraid of rain, but can not wade; if the battery compartment and motor water, will damage the internal wiring of the motor, be sure to pay more attention to. (water damage is not covered by warranty)
5. Influence of battery temperature, when the temperature drops to 0 degrees Celsius, battery energy may decline, a charge will reduce the mileage; with the rise of temperature, the battery will return to normal.
6. Avoid electric scooter on the air humidity, high temperature and corrosive gas, should avoid long time exposure to the sun and rain, so as not to damage the vehicle within the electrical components, resulting in failure, accident.
7. Please slowdown when turning, and avoid sharp turns; pay attention to the traffic signs, do not ride with people, please refer to the battery indicator judging power (lamp number more endurance longer), driving, such as the abnormal situation (brake failure, instantaneous power failure, power brake should immediately get off, etc.) check, or send the agency maintenance, not to continue riding.
8. When adjusting the position of the handle and saddle, the safety mark on the riser and the saddle can not be exposed!

1. When riding feet placed on the pedal with the right hand, then slowly to the body rotation speed control switch to gradually relax, acceleration, speed control switch to can reduce the speed, and speed after the speed will automatically reset the motor automatically stop.

2. The company produced electric scooter with brake power function, riding around the brake can cut off the power supply to ensure the safety of riding. 2. the performance of electric scooters, please do not ride. Before

3. Some models have automatic speed control function, has been rotating speed to turn on, 5-8 seconds after the automatic speed control, there is an emergency brake can be braked or once again twist the speed of the switch, the vehicle will automatically lift the speed function.

## **CORRECT USE OF ELECTRONIC CONTROL SYSTEM**

1. The electronic control system is composed of a controller, an electric quantity display, a speed regulating switch and a combined handle.

2. The controller has stepless speed regulation, brake power off protection, voltage undervoltage protection and current limiting protection.

3. The controller is to control the speed of the motor parts, directly related to the vehicle ride performance controller, riding in the required riders slow rotation speed, excessive force may cause damage to the governor.

4. Users should regularly check the controller to keep the shell clean, conducive to heat dissipation, to see whether the wiring harness connection controller is reliable, such as the interface has a hot deformation occurs, to immediately replace repair.

1. Users should regularly check the turn, power brake, such as turning the handle to loosen, can not be reset in a timely manner, the power brake can not cut off the power of the motor should be immediately repaired or replaced.
2. If the controller fails to display the indication of pressure, please send it to repair station
3. If the mileage is significantly reduced, the user must check whether the controller over-current protection failure, or for other reasons, but the controller must be sent to the maintenance station repair or replacement.

### **CORRECT USE OF BATTERY**

1. The user should keep the battery full power state, no loss of electricity storage; otherwise it will seriously affect the service life of the battery.
2. The battery should be charged periodically (usually a month) when not in use.
3. Batteries can not be close to open flame, high temperature heat source, the battery should not be thrown into the fire, it is strictly prohibited direct exposure in the sun.
4. Battery in the charging process, to prevent charging and over charging.
5. It is forbidden to use wire or conductor to connect the positive and negative electrode of the battery, so as to avoid danger and damage the battery.
6. The recommended temperature of the battery is 5-30. Summer high temperature season, due to the car parked in the shade ventilation, summer, winter should be put on the battery in the
7. Do not charge immediately when you are on a long distance scooter. You should park the scooter for about 30 minutes and recharge it after heat dissipation.

# THE CORRECT USE OF THE CHARGER

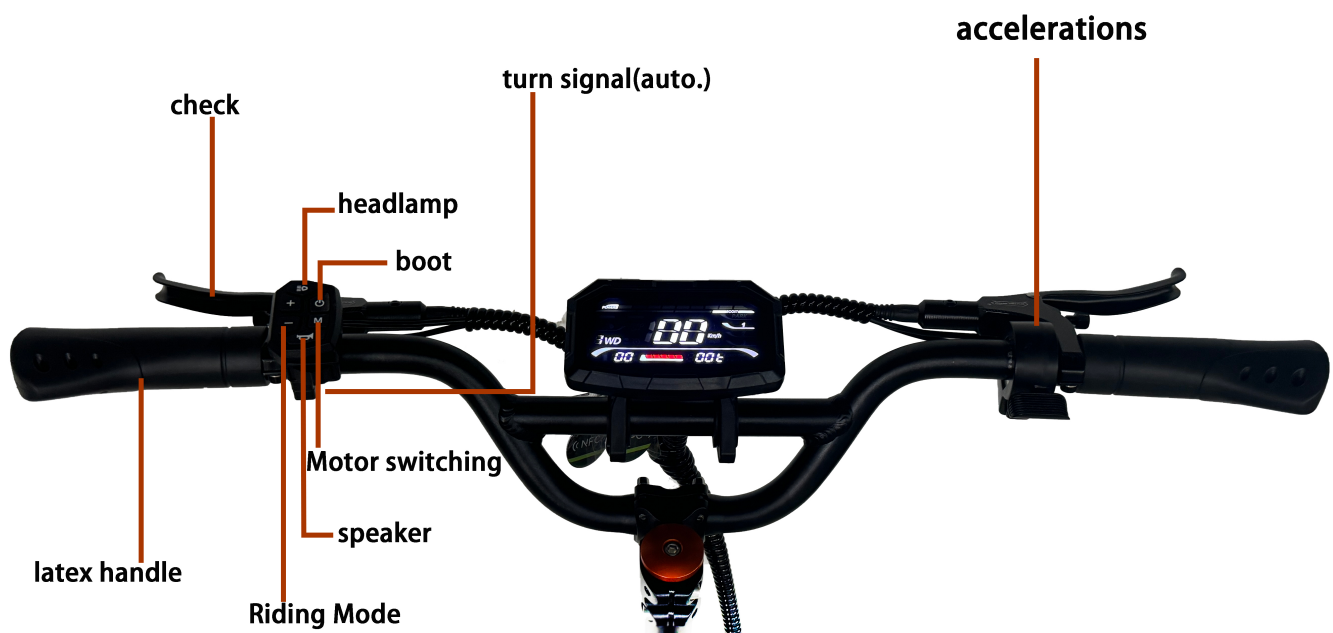
1. When the end of the ride or when the battery voltage should be charged immediately, the long-term placement of the battery must be sufficient electricity, and a month to add a regular electricity. When charging, the power switch must be turned off.
2. Charging place should be far away from children, should be carried out in a dry and ventilated environment, avoid moisture, should be away from flammable and explosive materials.
3. Must use the company's dedicated charger, or affect the battery life or damage the battery, the responsibility!
4. Align the notch of the output plug of the charger to the salient point of the charging socket.
5. Maximum continuous charging time is not more than 18 hours.
6. The charger is not connected to the AC power supply.
7. After charging, unplug the AC power plug and unplug the charger. Please be sure to follow the instructions above.
8. Put the charger steadily, the charger output plug (low voltage DC terminal), in accordance with the correct way to insert the plug in the socket. Then the charger output plug (220V side), the voltage is inserted into the AC power outlet, connect the charger power supply, when the charger power indicator light up, indicating that the power has been connected to start charging. When the charging indicator turns green, the charge is completed.

## Reminder



The arrow on the right refers to the charging port

# FUNCTION DISPLAY,KEY DISPLAY



**Top-T5 refers to the instrument operation manual of electric scooter.**

2024.11.14

Version: V1.0

**1. Physical diagram of instrument**



figure 1

**2. Screen display diagram**

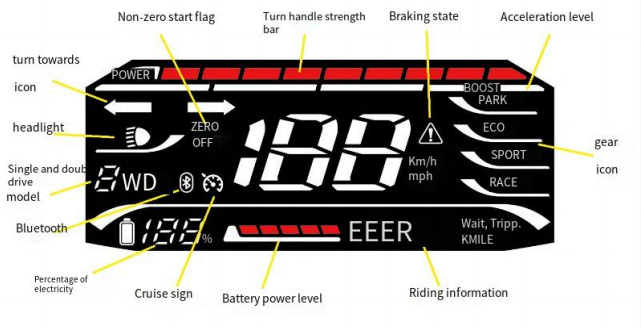


Figure 2

**3. Instrument Accessories Diagram**



Figure 3- Multifunctional combination switch Figure 4- Accelerator with self-locking key

#### 4. working parameter

- (1) The working voltage of the instrument: DC36V/48V/52V/60V/72V is compatible, and the parameters can be adjusted to display the battery capacity adaptively.
- (2) The acceleration Hall signal is directly connected to the controller, and the adjustment is sensitive and accurate.
- (3) Communication adopts Uart bidirectional communication port, which can adjust some functions of the controller and receive speed information or other status information.
- (4) The instrument will automatically shut down in 3 minutes without speed.
- (5) The instrument connecting wire adopts 6-core wire.

#### 5. Connection line description

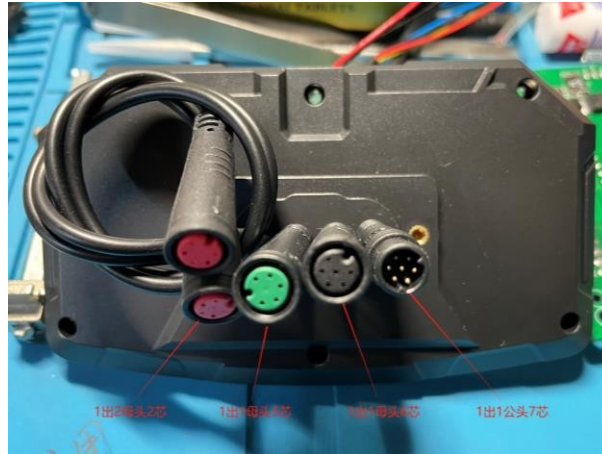


Figure5

- (1) Connecting line between instrument and controller: the instrument end is a male 7-core waterproof head.

Table1: LineSequenceTable

serial number	sign	Cable color	Function definition
one	P+	red	Battery cathode
2	DMS	purple	electric door lock
three	GND	brown	Battery cathode
four	SP	green	Acceleration throttle signal
five	TX	blue	Instrument sends TXD
six	RX	yellow	Meter receiving RXD
seven	BRK	white	Low level brake signal

- (2) Connecting wire of instrument and multifunctional combination switch: the instrument end is a female 6-core waterproof head.
- (3) Instrument and accelerator connecting line with key: 5-core waterproof head with female head at instrument end.
- (4) Connecting line between instrument and power-off brake handle: the instrument end is



five	TX	blue	Instrument sends TXD
six	RX	yellow	Meter receiving RXD
seven	BRK	white	Low level brake signal

(2) Connecting wire between instrument and multifunctional combination switch: the instrument end is a female 6-core waterproof head.

(3) Connecting wire between instrument and accelerator with key: the instrument end is a female 5-core waterproof head.

(4) Connecting wire between instrument and power-off brake handle: the instrument end is a waterproof head with 1 outlet, 2 female heads and 2 cores.

## 5. Display function

- (1) Speed display: 0 ~ 199km/h or 0 ~ 199 mph.
- (2) gear display: PARK (parking), ECO (economy), SPORT (sports) and RACE (racing) modes are adjustable.
- (3) Information display: running time, TRIP, ODO and battery VOLTage (vol).
- (4) Fault icon display
- (5) Display of battery capacity.
- (6) Function parameter adjustment menu

## 6. Description of key type

Instrument key type:

Power button, hereinafter referred to as "P key"

Mode key, hereinafter referred to as "M key"

+key, hereinafter referred to as "+key"

-key, hereinafter referred to as "-key"

Headlight button

Horn key

Left and right turn signal knob

Speed limit switch (self-locking type)

## 7. Operating instructions

**Power on: press and hold the P key.**

Power off: in the non-setting state, press and hold the P key.

Shift gear: when the speed is displayed, press the+key briefly, and PARK -> ECO -> SPORT -> RACE; ; Press the-key, RACE -> SPORT -> ECO -> PARK.

Switch the display information: in the speed display state, press the P key briefly, and TIME -> TRIP -> ODO -> VOL information will be switched cyclically.

## Type

Enter the current parameter type setting: press and hold the P key or the M key for about 1s to enter the setting state of the current type parameter, and the current parameter content will flash.

Adjust the current type parameter value: short press+key to decrease the current parameter value, and short press-key to increase the current parameter value.

Password operation: short press+key to increase the current password value, short press-key to decrease the current password value, short press P key to switch the next password value circularly, long press M key to confirm the current password, if the password is correct, the subsequent interface will be displayed, otherwise there will be no action.

NFC card adding operation: enter the setting menu CA, enter the correct user password, and enter the password according to the password operation instructions. After the password is successfully entered, you can enter the card adding mode, and then paste a new card at the sensing position to enter it. After the entry is successful, the current number will change, and the newly added card will be swiped again to exit the card adding mode. After exiting the setting menu, the new card can be used normally.

Note:

(1) Up to five cards can be entered, which is a circular entry. When five cards are entered, the new card will be countersigned with the old card number.

(2) The power-on password is "0000" by default, and users can modify it by themselves.

## 8. Set parameter menu description

Table2

function	default	function declaration	remarks
P00	11.0	Motor wheel diameter (inch -inch)	
P01	51.5	Undervoltage protection value (accuracy 0.5V)	
P02	15	Motor pole logarithm (pair), pole logarithm = number of magnetic steel sheets ÷ 2.	
P03	one	(0) Selection of external (1) internal speed measuring signal	Not modifiable
P04	0	(0)Km/h (1)Mp/h speed unit selection	
P05	0	(0) Zero startup (1) Non-zero startup mode selection	
P06	0	(0) The cruise is invalid (1) Is the cruise valid?	
P07	0	(0) hard start (1) soft start and soft start selection	
P08	100	Percentage speed limit (5% minimum -100% maximum)	
P09	2	(0) Turn off (1) weak (2) strong E-ABS strength setting.	
SC	"0000"	Enter the original password-> new password for the first time-> new password for the second time, and the modification is successful.	Only the password function is valid.
CA	-	Card adding mode: enter the correct user password, use a new card to fit the sensor position, and the card	Only applicable to NFC

PBA*	0	(0) Turn off (1) Turn on Bluetooth to disconnect, and app will remind you.	
PBR*		In the blinking and adjustable state, set the parameter to 'Y', and hold down the P key until "ok" is displayed, and the Bluetooth is successfully reset, so that the new connection can be paired again.	

## 9. Description of status signs and fault codes

The brake signal will always be on when braking or when braking is abnormal.

When a fault occurs, the riding information area of the instrument will flash to display the fault code. Please refer to Table 3 for the specific fault code.

Table 3

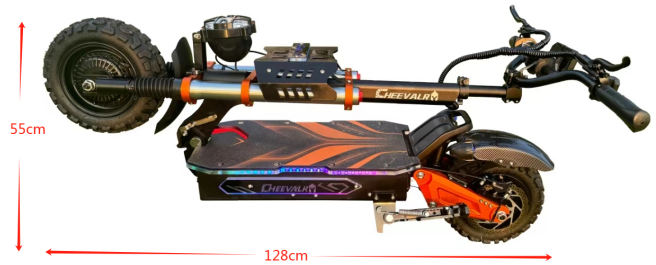
Fault code	explain
21E	Controller failure
22E	Acceleration throttle failure
23E	Hall fault of motor
25E	Brake failure
30E	Instrument or controller communication failure

Note: \* is a Bluetooth function, which is only effective when Bluetooth is used together.

# Cheevlary s11 pro Vehicle components



# Vehicle parameters



<b>Product model</b> CheeValry S11pro	<b>Product material</b> Reinforced full body aluminum alloy
<b>Max capacity</b> 200KG	<b>Product tires</b> 11 inch explosion-proof tubeless tire
<b>Fastest speed</b> 85KM/H	<b>Endurance</b> 100-120KM
<b>Battery parameters</b> 60V 43AH2280Wh	<b>Weight</b> About 45KG
<b>Motor power</b> single motor 3000W, dual motor 6000W	<b>brake</b> (Front and rear double oil disc brake +EBAS electronic brake)
<b>Front shock absorption</b> Inverted long-distance hydraulic shock absorption	<b>Rear shock absorption</b> Rear hydraulic shock absorbers
<b>self check</b> The instrument can display fault codes	<b>controller</b> 60V45AX2 controller

## Car lights

① With turn signal lamp ②with pedal edge lamp③with rear brake lamp④Bluetooth headlights

# Unpacking and opening installation method



1. Press the folding switch to erect the rod



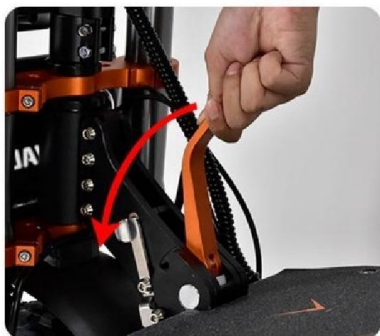
2. Put the handlebar into the handlebar.



3. Adjust the angle and fasten it Screws



4. Check whether the brake handle, headlight switch, dual drive switch, and instrument are fixed



2. Press it to the nearest



3. Fixed beadejection



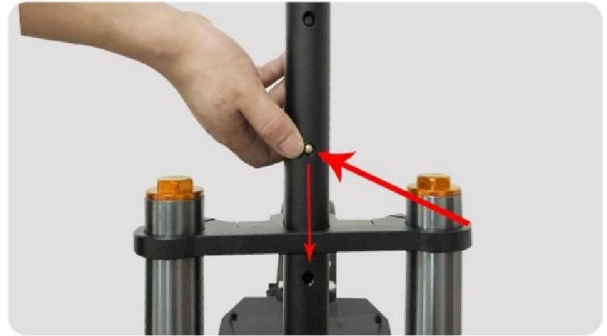
4. Snap-fit folding clips



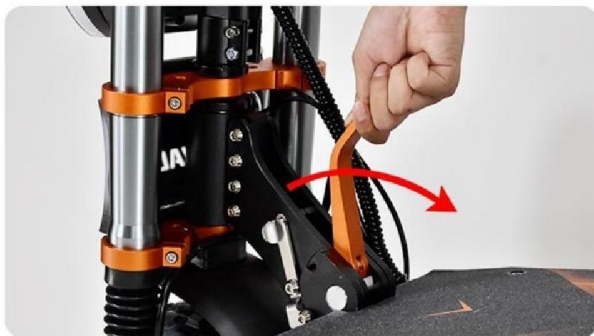
# Seat deployment method



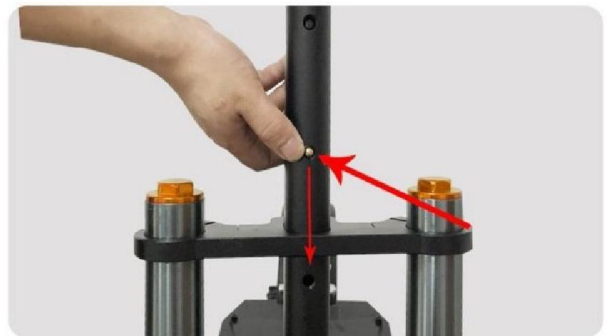
1. Open the fixing clips



2. Press the retaining bead to minimise



3. Release the stem lock switch



4. Press the retaining bead to minimise



5. Folding state display diagram

# Seat deployment method



1. Press the metal ring



2. Tighten the fixed buckle



3. Put it into the seat and adjust it to the right height.



4. Tighten the fixed buckle

# How to adjust the height of the stem



1. Open the fixing clips



2. Press the fixing bead to adjust the height



3. Tighten the fixed buckle



# Vehicle maintenance and repair

The recommended tightening torque of the main fasteners in the whole vehicle (unit: N.m)

front wheel	rear wheel	Saddle tube	saddle tube	Vertical tube	Core tube	the front fork
≥18	≥30	≥18		≥18	≥18	≥18

## 2.Regular maintenance)

A:Check S:adjust D:replace L:lubrication T:tighten

Inspection item	60 days	180 days	360 days
handle rotation, steering parts loose wear.	S、T	A、T	A、L
tire inflation is appropriate, whether the tire wear.		A	D
front and rear shaft, shaft, shaft and other wear	T	A、L	A、L
the brake shoe is worn.		D	D
rim is biased, deformation.		A	A
frame and front fork is deformed bumps.		A	A
brake effect is good.	A	A	A
brake handle position is appropriate.	S	S	S
whether the horn is ringing, the headlight is bright.		A	A
charger plug, power cord wear, broken.		A	A
cushion, handlebar height is appropriate.	S	S	S

# After sales service and "three packs"period

In order to ensure the use of electric scooter consumers to obtain satisfactory customer service service,safeguard the legitimate rights and interests of consumers,you Car Buying has the right to ask the sales staff and maintenance of the correct operation of the product,product specifications,certification the "Three Guarantees"certificate and dealer name,addressand telephone.

## After sales service and "three packs"period

**Note:**the term "three packs"of electric scooter parts is as follows

accessories	Quality problem	Shelf life	Shelf life
Motor	The rubber wheel is broken and badly broken	A year	Free maintenance
meter accelerator	Cannot be used under natural conditions (except for impact and other external damage)	A year	Free maintenance
controller	Failure under normal use	A year	Free maintenance
charger	Failure under normal use	A year	Free maintenance
lithium battery	Failure under normal use	A year	Free maintenance

## Three pack range

1. Electric scooters sold within 15 days since the battery rated capacity of less than 90%, can replace the new battery, battery three guarantees period failure or after testing the rated capacity of less than 60%, can replace the battery, the "three" period not in recalculation.

2. Electric scooter vehicle after the transfer of the "three packs" period of time from the date of the transfer is extended, there are dealers in the warranty card behind the replacement of the chapter, indicating replacement parts, date and number and other signs.

## Does not belong to the "three packs of" the scope and content

- 1.No car vouchers and "three packs"certificate
- 2.Serial number and registration number
- 3.Users do not follow the "instructions "and the use of improper inadequate maintenance,improper care caused by damage
- 4.User self repair,modificaton is not part of the damage caused by special repair disassembly
- 5.Damage caused by impact and chemical corrosion
- 6.Can not fight against the damage caused by Juli
- 7.Damaged after sale
- 8.Brake lining,fuse,tire,lighting and other consumables
- 9.The above situation does not implement the "Three Guarantees"within the period of the "Three Guarantees",but the repair fee may be charged

## Warranty card

User information	
User name	
Contact phone	
contact address	
Postal Code	
car date	
product models	
frame number	

# ELIMINATION OF COMMON FAULTS OF VEHICLE

Serial number	Fault phenomenon	Failure cause	Elimination method
1	Display instrument panel display no electricity	Switch lock switch is damaged	replace the same specifications of the electronic door lock switch
		battery voltage is too low	power battery
		Fuse blown	replace the fuse with the same specifications
2	Electric motor is not working	battery connection	repair
		motor winding plug, socket loose or damaged	send repair station repair
		speed adjustment handle loose wire	repair welding
3	<b>After a charge mileage is not enough</b>	tire pressure is not enough	sufficient gas
		battery aging or damage	replace battery
		lack of charge or charger failure	Full power or repair charger
		more than the wind uphill, frequent start braking more, carrying significant	recommends the use of artificial foot booster
4	<b>Charger does not charge</b>	charger plug, socket off or bad contact	fastening plugs, sockets, remove dirt
		charger damage	welded joint
		battery damage	replace battery
		battery pack off	replace the fuse with the same specification
5	Other faults	according to the above guidance can not be self fault	please find suppliers or repair Station repair
		motor, controller, charger, battery internal damage	Unauthorized opening of the above components may Tose the company's warranty commitments

**Service to create the perfect heart**

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