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User Manual

www.supersoco.com

User instruction

To ensure your safety, please read this manual carefully before riding and make sure you are always following the requirements below:

- 1 Fully understand the information in this manual, include but not limited to the relevant instructions, precautions and warnings
- 2 Fully understand the operation and contingency measures of CU smart electric motorcycle.
- 3 Be fully aware of warning labels of CU smart electric motorcycle.
- 4 DON'T disassemble vehicle or any parts, if need replacement, please contact local dealer.

Safety Instructions

To ensure the safety of you and others, please make sure to observe the following matters:

- 1 Do not ride after you take medications which may affect your riding ability, drink alcohol, or when you are unwell.
- 2 Observe traffic regulations and traffic signs and confirm the surrounding road conditions and bike conditions at any time, people under 16 years of age are prohibited from riding, DON'T lend your vehicle to someone who can't ride, so as to actively avoid danger.
- 3 Wear safety equipment, such as helmet, and appropriate protective clothing if necessary, such as gloves and boots.
- 4 Perform a basic check each time before riding, so as to confirm the light, brake, tread and tire pressure and check other parts for looseness or abnormal noise, and regularly go to SOCO Service Center for maintenance.
- 5 In order to ensure the safety of you and others, please DO NOT use high beam in good lighting conditions. The continuous use of high beam will cause the visual disturbance to vehicles and pedestrians on the opposite side, thus affecting safety.
- 6 Please do not make or answer any call during riding, which is likely to cause traffic accidents.

- 01 -

Check list



Remote controls



Mirrors



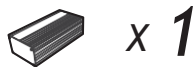
User manual



Keys



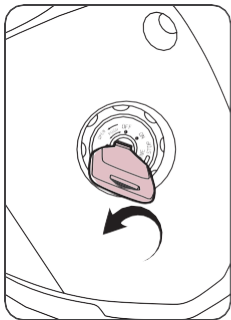
Spanner for mirrors



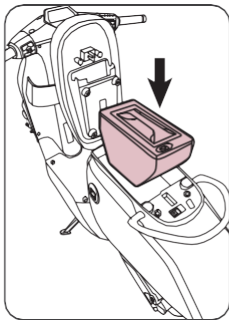
Charger

- 02 -

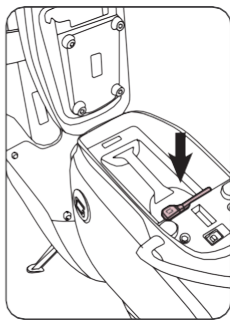
Install Battery Pack



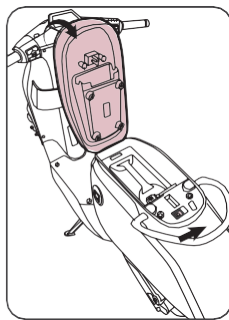
1 Open the saddle and battery box



2 Put battery pack in



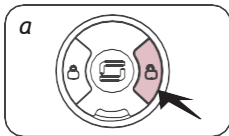
3 Connect power



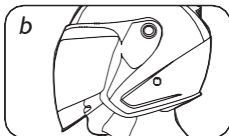
4 Turn on kill switch, put down saddle.

- 03 -

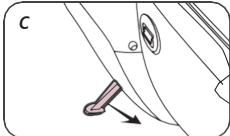
Turn on CU



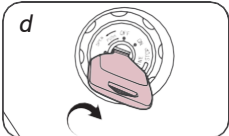
1 Press "unlock" on remote control



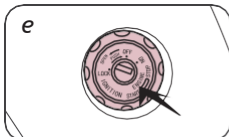
2 Put on helmet



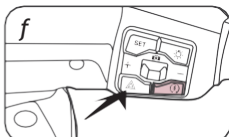
3 Get on CU, kick side stand out



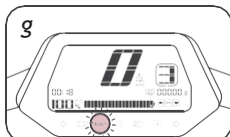
4 Get on CU, kick side stand out



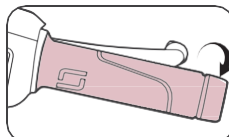
5 Press "Start", power on



6 Press "parking" button



7 Remove parking condition, "ready" symbol on



8 Turn throttle, vehicle move

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Parts instruction

01

Operation guide

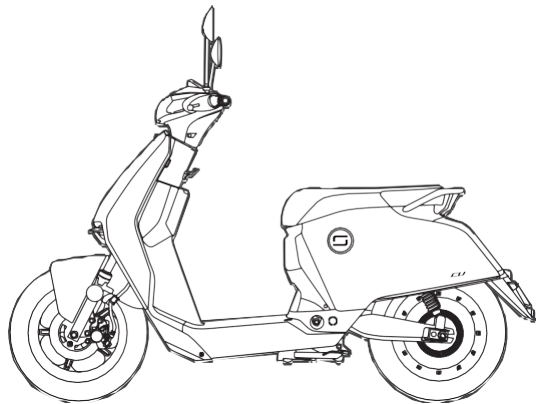
Riding guide

Battery use instruction

Maintenance

Common problems

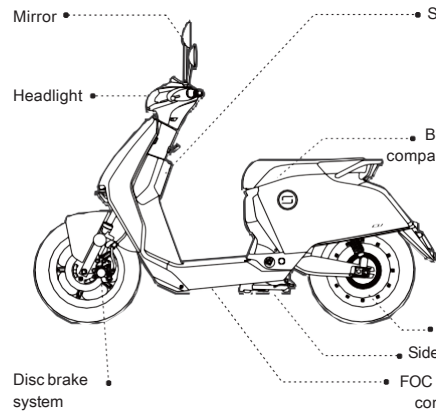
Service



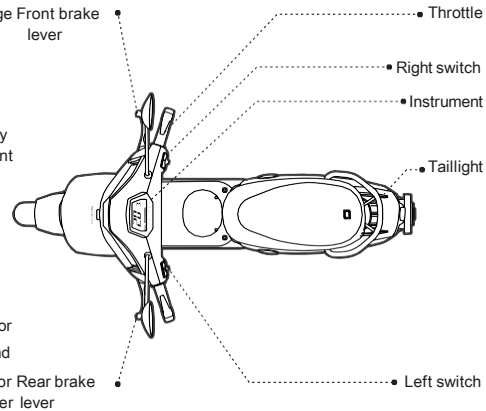
Description of components and parts

a. Parts instruction

SIDE VIEW

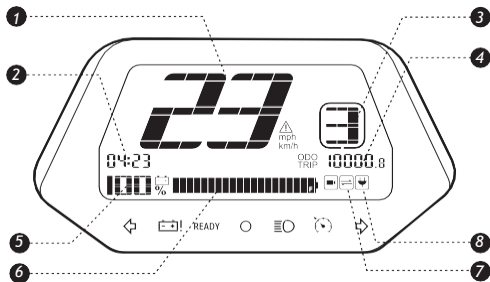


TOP VIEW



Description of components and parts

b. Instrument



- 1** Speed indication
Show current speed
- 2** Time/Error code
Indicate current time, when "Error" symbol on, Show error code
- 3** Mode
Indicate real-time riding mode

- 4** Total range/Current trip range
Indicate total range/current trip range
- 5** SOC in %
Indicate real-time battery capacity
- 6** SOC in bars
Indicate real-time battery capacity

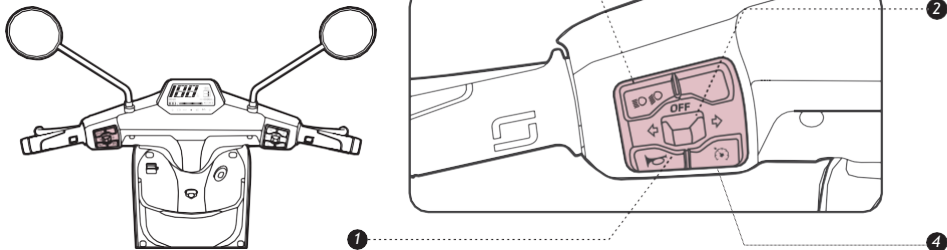
- 7** Data connect condition indication
Data connect condition symbol hint

- 8** Charge condition indication
Charge condition symbol hint

- High beam indicator light
High beam on
- Errors indication
- Charging
- Turning indicator light
Turning light on and flickering
- Battery error indicator light
Battery error
- ECO Mode
- NORMAL Mode
- SPORT Mode
- Cruise indicator light
Cruise indicator light on when cruising

Operation guide

a. Left switch



1 Horn button

Press, horn on; release, horn off.

2 Turning light button

Move to left, left turning lights on;
Move to right, right turning lights on;
Press the middle "OFF" button, turning lights off.

3 High/Low beam switch

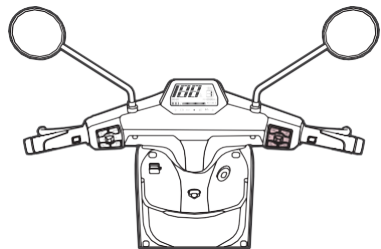
Touch lightly to change high/low beam status.

4 Cruise button

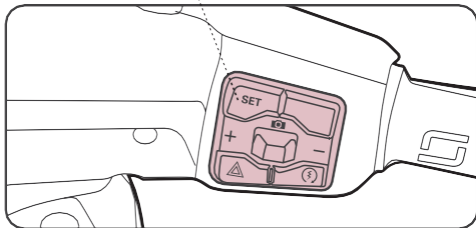
Turn handlebar to a constant angle(speed remains constant), touch the button to get into cruise,brake or increase the angle of handlebar to remove cruise.

Operation guide

b. Right switch



1



1 SET button

Instrument indication mode change button

a. Normal mode, short press the button, switch the mileage display mode (ODO/trip), and keep the status.

b. Short mileage display mode, middle press the button, reset the short mileage (Trip) and keep the status.

c. Normal mode, long press button, switch the unit (km and mile, km/h and mph) and keep the status.

Remark:

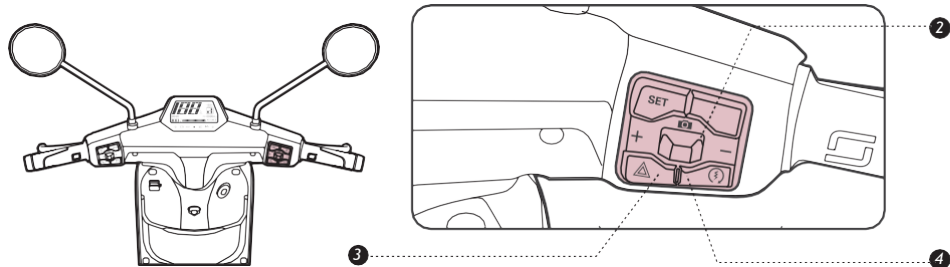
Short press: press button for $T \leq 2s$, and release

Middle press: press button for $2s < T \leq 8s$, and release

Long press: press button for $T > 8s$, and release

Operation guide

b. Right switch



② Gear change button

Move to left, gear increases

(when in the third gear, no change occurs with moving to left again)

Move to right, gear decreases

(when in the first gear, no change occurs with moving to right again)

③ Hazard flasher

Touch the hazard flasher button and turning lights get into the hazard flashers flashing.

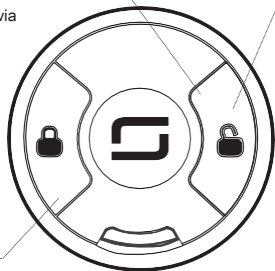
④ Parking button

The "parking" is a two-gear switch. Press the button, motorcycle gets into parking state.

Then press again to remove parking state and the READY light will be on at the same time.

c. Unlock

After unlocking the motorcycle via intelligent remote control,
Press unlock,
Motorcycle power on,
Press again, power off.

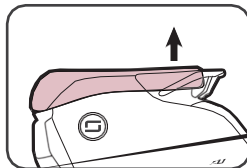


e. Lock

When motorcycle in standing position,
press lock,
Motorcycle locked.

d. Intelligent remote control operation

Soco intelligent remote control 2.0,
Press button within effective coverage,
Can lock or unlock motorcycle easily,
Press unlock for 3 seconds,
Can open the saddle automatically



Subject to version

Operation guide

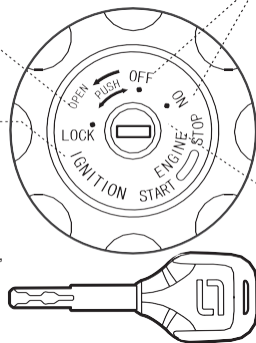
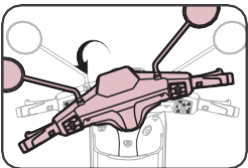
f. Open the storage/ battery box

Put key in and turn key to left,
Can open the storage/battery box

g. Handlebar lock operation

Motorcycle in parking position, turn
handlebar to the extreme left position,
put key in handlebar lock, and turn key to left,
take key out, handlebar locked.

Put key in handlebar lock and turn key to right,
handlebar unlocked.

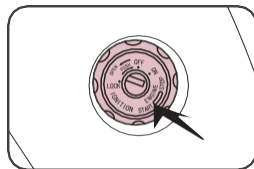


h. Start with key

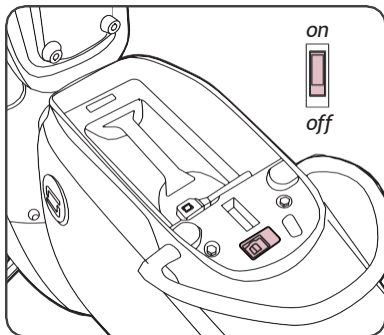
After unlocking the motorcycle via
intelligent remote control,
Turn key to "ON",
Motorcycle power on,
Turn key back to "OFF", power off.

i. Start button

After unlocking the motorcycle via
intelligent remote control,
Press start button, motorcycle power on,
Press again, power off.



Subject to version



j. Kill switch operation

As the protection switch for the main power of the motorcycle, the kill switch will automatically disconnect to ensure safety when the bike circuit is abnormal or the current caused by short circuit exceeds the set safe value(50A).

TIPS: in order to protect motorcycle and your own safety, Please put kill switch at "OFF" position when cleaning, storing the bike for a long time, and removing the battery pack.

Riding guide

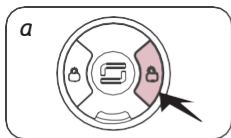
a. Check list before riding

Make sure to check the following items before riding CU intelligent electric scooter, in order to protect your safety when riding.

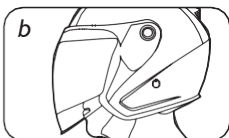
- 1 Whether the handlebar is stable and flexible when turning.
- 2 Whether the switches on the right and left handlebars can work correct.
- 3 Whether the throttle work correct.
- 4 Make sure the tyre pressure is ok. The suggested tyre pressure is 175Kpa for front wheel, 175Kpa for rear.
- 5 Check tyre surface, make sure no cracks, damage, and foreign matter puncture or attachment.
- 6 Whether the tread depth is sufficient, make sure it must be higher than the black label at the tread.
- 7 Whether any error warning light on at the instrument with power on.
- 8 Whether the battery capacity is sufficient for your trip.
- 9 Whether headlight, taillight, brake light, turning light work correct.
- 10 Whether the horn work correct.
- 11 Whether the mirrors are clean. Adjust them to the appropriate angle.
- 12 Whether the brake oil is sufficient, whether the brake lever and brake system work correct.

Riding guide

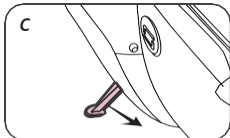
b. Turn on



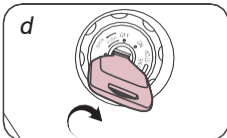
1 Press "unlock" on remote control



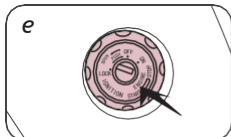
2 Put on helmet



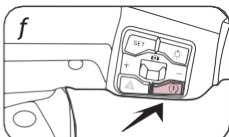
3 Riding CU, kick out side stand



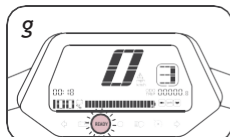
4 Put key in and turn to "ON" gear



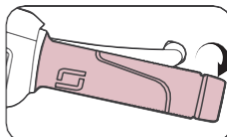
5 Press "start" button, power on



6 Press "Parking"



7 Remove parking condition, "READY" light on



8 Turn throttle, vehicle move

TIPS:

Before riding, making sure side stand is kicked out, turn handlebar to make sure the handlebar lock is unlocked.

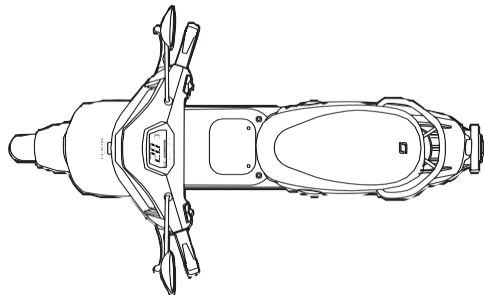
Power off will take place after pressing "PARKING" or putting side stand, so DON'T press "PARKING" or put side stand during riding, in case any danger due to power off.

Motorcycle must power on in steady standing position. In case any unusual situation, please glide or push motorcycle to safe area,

DON'T try to restart motorcycle when riding in the driveway, in case any danger.

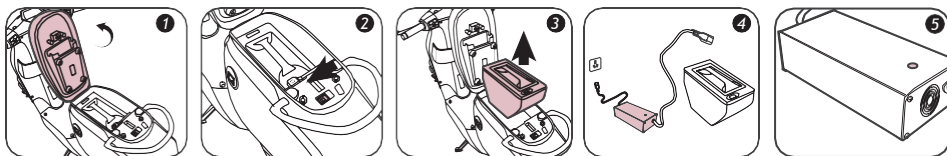
c. Riding notice

- 1 Speed up slowly when starting, in order to avoid excessive starting current and increased energy consumption caused by instantaneous sudden acceleration.
- 2 To ensure safety, it is necessary to keep constant speed during riding, reduce frequent start-up, braking, instantaneous acceleration and other operations which increase energy consumption.
- 3 The maximum load weight of the motorcycle is 150KG. Overload is strictly prohibited.
- 4 Please press the "PARKING" button when pushing the vehicle, so as to prevent turning handlebar inadvertently, causing sudden start, and accidents occur.
- 5 Turn off power when parking and remove the key.



Battery use instruction

Riding notice



① Open battery compartment

② Turn off the kill switch

③ Take out battery pack

④ Connect the main plug of the charger with the battery pack

⑤ Connect the AC plug of the charger with power
Indicator light is red when charging, light will turn green when fully charged

TIPS:

Keep away from water, prevent battery pack from water spray, water immersion;

Charging temperature: 10 - 30°C, discharging temperature: 0 - 40°C;

Charging after using, in case long time no use the motorcycle, must take out the battery pack;

Forbidden to connect battery pack input and output;

Don't charge or store the motorcycle in residential buildings, keep away from combustible when charging.

Forbidden strong impact and press on battery pack;

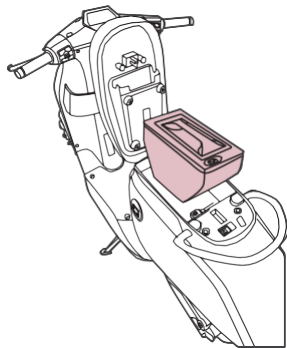
Must use appointed charger, forbidden to use any other charger to charge battery pack;

Before delivery, battery pack has already passed strict check, forbidden to open it.

Battery use instruction

Storage, maintenance, transport

- 1 When battery pack needs to be stored for a long time, please charge battery pack to the half-saturated status (charge battery pack for 3 hours with charger after the battery capacity is 0%), disconnect battery with the vehicle, prevent battery from over discharge, store battery pack in dry and ventilated place, and charge battery once a month.
- 2 Battery pack and charger should be stored in clean, dry, ventilated place, avoid connect with corrosive substances, keep away from power source, fire source and heat source.
- 3 Battery pack storage conditions: ambient temperature 0-30°C, ambient humidity $\leq 65\%RH$



Maintenance

Regular maintenance can enhance the service life and driving safety of SOCO CU. Please refer to the following suggestions and take care of your motorcycle.

a. Regular inspection and maintenance

The new motorcycle must do the first inspection and maintenance in the SUPER SOCO Service Center when it reaches 300 km or two months (whichever comes first). The motorcycle is recommended to do a regular inspection and maintenance at every 2,500 km or six months (whichever comes first), SUPER SOCO Service Center will supply the motorcycle of maintenance service (please ask the center staff about the cost of maintenance service)

b. Daily cleaning and maintenance

① Cleaning:

Please use clean water and neutral detergent, and use soft cloths and sponges to clean the surface; forbidden to use metal brushes, sandpaper or the like, in order not to scratch the surface of vehicle and parts. After cleaning, use dry soft cloths to dry the motorcycle.

② Storage:

Park the motorcycle in a dry and ventilated indoor space to reduce the exposure to sun and rain, avoid rusty of parts causing decrease of the service life. Don't park at doors, stairs, corridors, emergency exits.

c. Warning

- ① Turn off kill switch before cleaning
- ② Don't clean with strong water, so as to avoid breakdown of parts and other hidden danger caused by water immersion.
- ③ In case long time no use, please turn off kill switch and disconnect the power supply, prevent over discharging, and charge once a month.
- ④ With long-term storage, please fully charge battery before use.

Common problems and troubleshooting methods

a. Common problems and troubleshooting

Error	Causes	Solutions
No power, "Start" not on	<ol style="list-style-type: none">1. Battery is poorly connected2. Kill switch is not turned on	<ol style="list-style-type: none">1. Connect the power cable appropriately2. Turn on the kill switch
Power on, turning handlebar, motor not work	<ol style="list-style-type: none">1. Low battery2. Side stand is on3. At parking mode4. Brake handle does not reach the right position5. Throttle error6. The controller plug is loose7. Controller brake down	<ol style="list-style-type: none">1. Charge the battery2. Kick side stand out3. Press parking button4. Place the brake handle at the right position5. Change throttle6. Re-plug controller7. Replace the controller
Speed is slow or mileage is short	<ol style="list-style-type: none">1. Low battery2. Flat Tyre3. Heavily overloaded4. Brake pads need to be replaced5. Battery aging or being scrapped normally	<ol style="list-style-type: none">1. Charge the battery2. Inflate the tyres to normal tyre pressure before riding3. Form a good habit that keep an appropriate load4. Replace the brake pads and check the brake system before riding5. Replace battery
Battery cannot be charged	<ol style="list-style-type: none">1. Poor contact of charger plug2. Used wrong charger3. Battery aging or being scrapped normally	<ol style="list-style-type: none">1. Check whether the plug is at right position2. Use SOCO charger3. Replace battery

Common problems and troubleshooting methods

Error	Causes	Solutions
Error 99 on Instrument	Controller communication error	Please contact after-sales service or dealer
Error 98 on Instrument	Controller stops(possibly over current, blocking, under voltage, over temperature)	Please park for a while and then start again
Error 97 on Instrument	Controller power tube error	Please contact after-sales service or dealer
Error 96 on Instrument	Controller Hall sensor error	Please contact after-sales service or dealer
Error 95on Instrument	Controller throttle error	Please check the wire of throttle or contact after-sales service to replace
Error 94 on Instrument	Battery communication error	Please check battery connector status, contact after-sales service or dealer
Error 93 on Instrument	Charging, over current	Stop charging, check the charger
Error 92 on Instrument	Charging, over voltage	Stop charging, check the charger
Error 91 on Instrument	Battery at high temperature	Stop charging, stop riding, try to ride after the temperature of battery dropping
Error 90 on Instrument	Discharge, over current	In case it shows 90 all the time, stop riding, wait for a moment
Error 89 on Instrument	Charging, low temperature	Take out battery and charge in a warm indoor place
Error 88 on Instrument	Discharge, low temperature	Store battery and motorcycle in a warm indoor place, wait for a moment
Error 87 on Instrument	Internet connection error	Move the motorcycle to an open area, contact after-sales service or dealer
Error 86 on Instrument	GPS connection error	Move the motorcycle to an open area, contact after-sales service or dealer

Common problems and troubleshooting methods

b. Battery troubleshooting

Battery status Error		Causes	Solutions
Before using	Battery no power, "Start" not on	Low battery	Charge battery
In use	When riding with low battery, power off occurs when battery capacity drops below 10%	Low battery, under voltage protection, normal phenomenon	Charge battery
In use	Error 88 on Instrument	Discharge, low temperature	Store battery and motorcycle in a warm indoor place, wait for a moment
In use	Error 90 on Instrument	Discharge, over current	In case it shows 90 all the time, stop riding, wait for a moment
In use	Error 91 on Instrument	Battery at high temperature	Stop charging, stop riding, try to ride after the temperature of battery dropping
In use	Error 94 on Instrument	Battery communication error	Please check battery connector status, contact after-sales service or dealer
In use	Capacity on instrument drops after night or a day	CPU, controller, warning devices consume battery, normal phenomenon	Use normally
In use	Mileage is different from that the official announced	Mileage the official announced is the one in special surroundings and status, related to road condition, weather, temperature, wind drag, load.	Any questions, please contact after-sales service or dealer

Common problems and troubleshooting methods

Battery status Error		Causes	Solutions
Storage	Start motorcycle, "power" not on	Store battery too long, low battery	Charge battery, if can't charge, please contact after-sales service and dealer
Charging	Error 89 on Instrument	Charging, low temperature	Take out battery and charge in a warm indoor place
Charging	Error 92 on Instrument	Charging, over voltage	Stop charging, check the charger
Charging	Charger becomes hot in the charging process	In the charging process, the current inside of the charger is large, heat emission is large, metal shell can effectively emit heat, and the temperature of the shell is high	Use normally, use the charger in the dry, ventilated place
Battery flooding water	Can't use battery normally, can't start motorcycle	Water spray, water immersion, running into deep water cause battery flooding water	Stop using, please contact after-sales service and dealer
Battery case break down	Impact and fall of the battery cause damage and crack to the shell	Use causes damage to battery shell	Stop using, please contact after-sales service and dealer

