



User Manual

Please read it carefully before use



Foreword

First of all, thank you for purchasing our foldable electric scooter.

This scooter has been designed and perfected for two years by our senior engineers.

This scooter features fashionable appearance, light weight, simple structure, convenient folding and easy operation. It is economical and practical.

For your driving safety and serving you better, you should read this user manual before using this product.

Please do not use or borrow it to others until you learn about product performance and operation instruction.

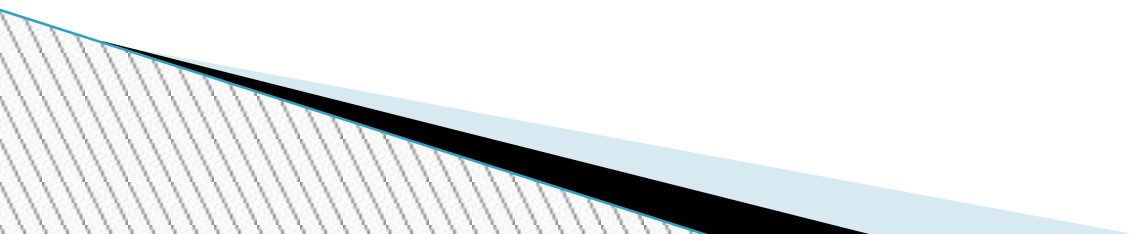
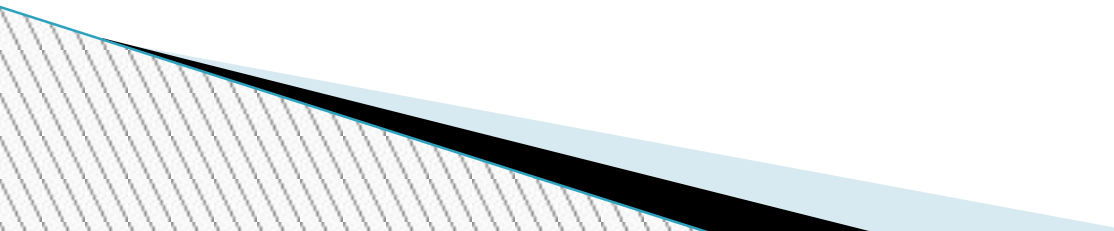


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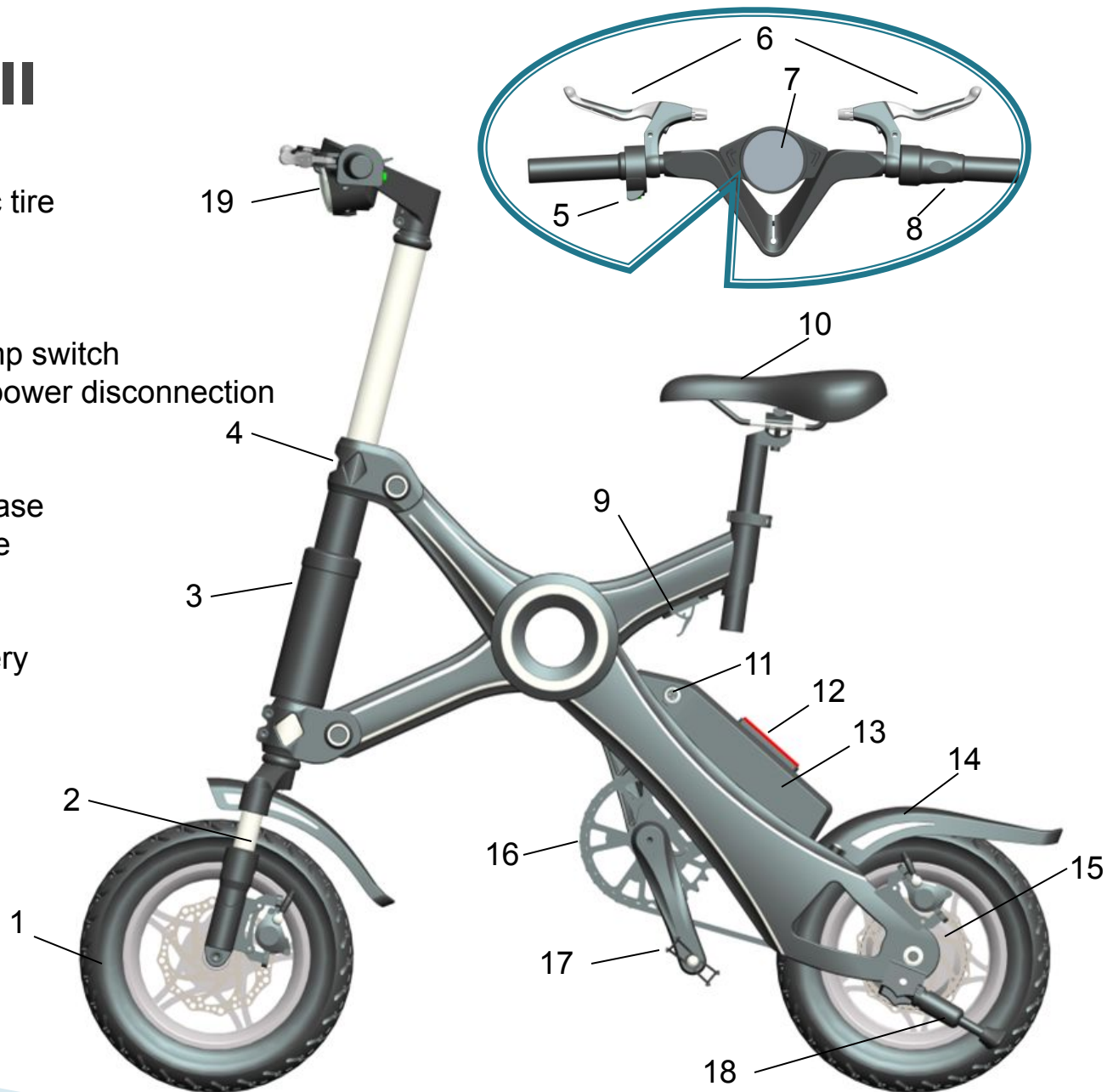


I. Precautions before use

1. Adjust the saddle height properly to ensure that riding is comfortable and feet can reach the ground easily.
2. Confirm whether the mechanical brake is normal, the tyre is filled fully and accessories are in good condition.
3. Confirm installation positions of accessories and learn about relevant functions.
4. If the ebike is used for the first time, please try to ride it for a distance when ensuring that the surrounding traffic environment is safe. Ride it on road after you can control the scooter well.
5. This product is a riding vehicle within a short distance on urban roads. It is not suitable for being used in poor road and weather conditions (such as raining, snowing or icy pavement). It cannot be used in outdoor extreme sports and performances.
6. When the environment temperature is below -5°C , it will have a certain impact on battery discharging. Therefore, charging should be conducted in room temperature.
7. The riding mileage of this product is measured under 25°C , 70kg loading and smooth-riding surface. It might vary due to different riders' weights, riding habits, environment temperature and pavement environment.

II. Overall structure

1. 12 inch pneumatic tire
2. Suspension fork
3. Shock absorber
4. Folding slip joint
5. Horn and headlamp switch
6. Brake handle for power disconnection
7. LCD display
8. Rolling handle
9. Folding quick release
10. Adjustable saddle
11. Charging socket
12. Rear light
13. Removable battery
14. Rear fender
15. Hub motor
16. Chainwheel
17. Pedal
18. Kick stand
19. Headlamp



III. Basic parameters and performance

Finished scooter		Battery	
Wheel base	825mm	Voltage	36V
L x W x H (unfolded)	1180*1100*550mm	Capacity	8.7AH
L x W x H (folded)	1130*670*380mm	Battery cell	18650-2900PF
Maximum speed	25km/h	Cycle life	More than 1,000 times
Maximum riding mileage	40km	Discharging rate	3C
Maximum load	120kg	Charging time	4h
Noise	Less than 60db	Controller	
Wheel diameter	320mm	Style	Sine wave
Overall weight	Less than 20kg	Maximum current	14A
Motor		Minimum voltage	29V
Rated voltage	36V	Charger	
Rated power	250W	Input voltage	220V
Rated rotor speed	450RPM	Output voltage	42V
Maximum torque	28N.M	Output current	2A
Maximum efficiency	80%	Plug style	3pin aviation plug
Style	Brushless and gear	Maximum permissible gradient	15°

IV. Meter description

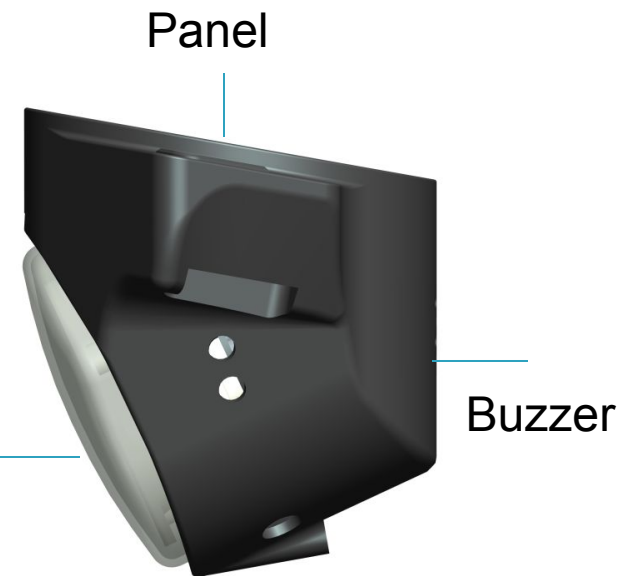


Speed

Temperature
Total mileage

Power

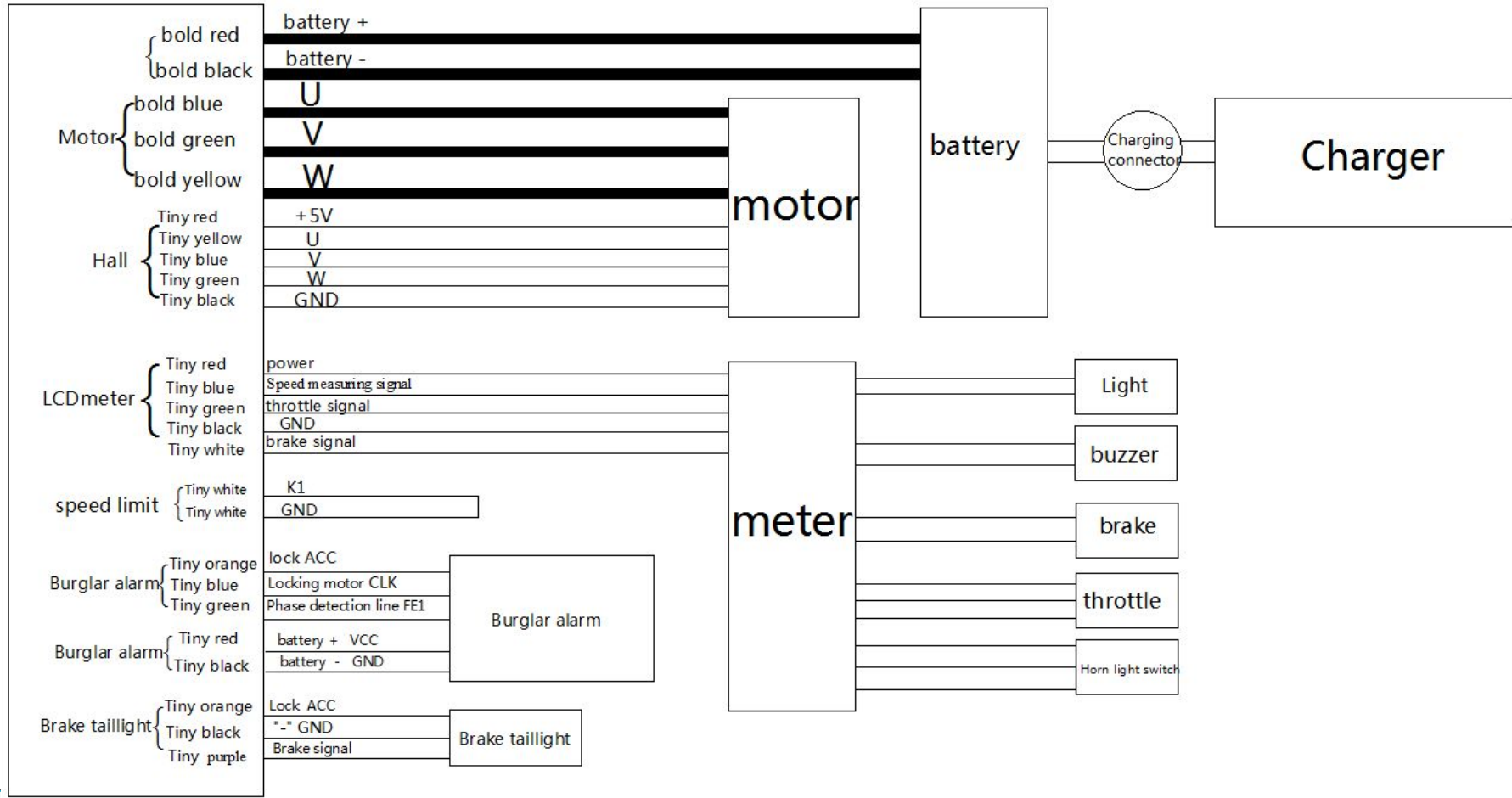
Riding time



- Functions:
- Display function
- Speed display, power indication, total mileage

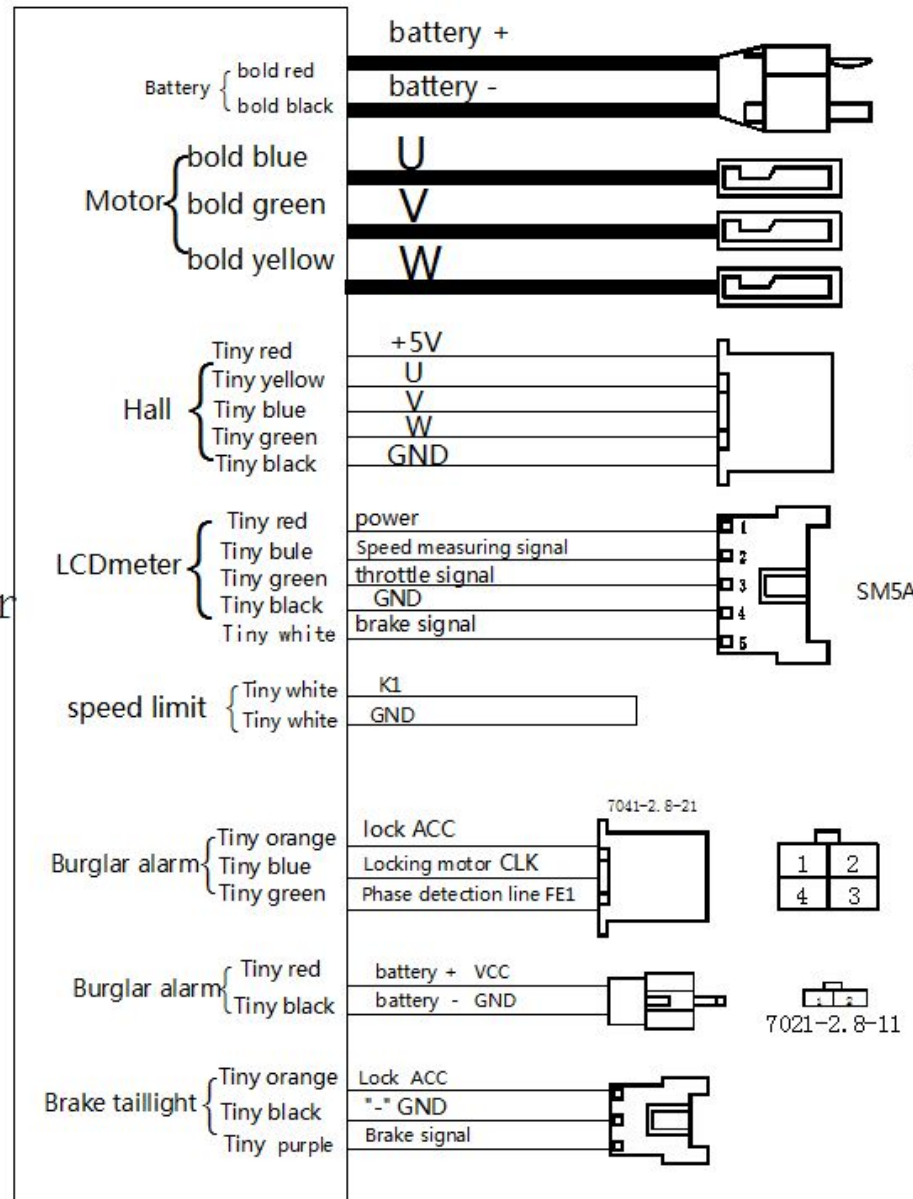
V. Electrical wiring diagram

System structure general set



Wiring diagram for controller (general set)

Controller



VI. Battery and charger

Battery description	
Fully-charged voltage	41.5v
Undervoltage protection	29v
Cell quantity	20/30pcs
Charging temperature	0~45°C
Discharging temperature	-20~60°C

If the battery is not used for a long time please charge it every 25-30 days.

Use of charger:

Steps:

1. Connect charger with battery connector well.
2. Connect charger battery plug to 220V mains supply socket.
3. After full charging, pull out power plug and then pull off charger connector.

Precautions:

1. Please use the original charger for charging. If other charger or poor charger is used personally, it might cause fire, explosion or other hidden dangers.
2. Input voltage and output voltage are 220V and 42V respectively. The charger connector has 1 positive electrode and 3 negative electrodes. Please don't disassemble or connect it inversely. Don't use those batteries with different voltages.
3. Red light is for charging state, and green light or flickering is for full charging.
4. The charger can only be used for charging indoors. It should be kept away from rain, water, long-term sunshine and violent vibration.
5. If the charger cable skin is damaged or its shell is broken, please replace the cable in time. Don't open, disassemble or continue to use it, otherwise there will be a electrical shock hazard.

VII. Use and installation of other accessories

1. Function of burglar alarm



Defense key	Defense	Short press once
	Start sound function	Long press for 2s
Unlocking key	Remove anti-theft	Short press once
	Close sound function	Long press for 2s
Start key	Power on	Keep pressing twice within 3s
Seeking key	Seeking	Short press once
	Adjust sensitivity	Long press for 2s

2.Handle bar, rear fender, battery assembling



(1) Steps for handle installation:

Loosen screw A and take the spiale cup off.
Don't pull out the front fork to avoid any missing of accessories.
Fix the handle bar as shown on the picture.
Pre-tighten screw A. It is used to adjust steering flexibility, so it cannot be locked forcibly.
After adjusting the handle direction, lock screw B tightly (two screws in left and right sides).

(2) Steps for rear fender installation:

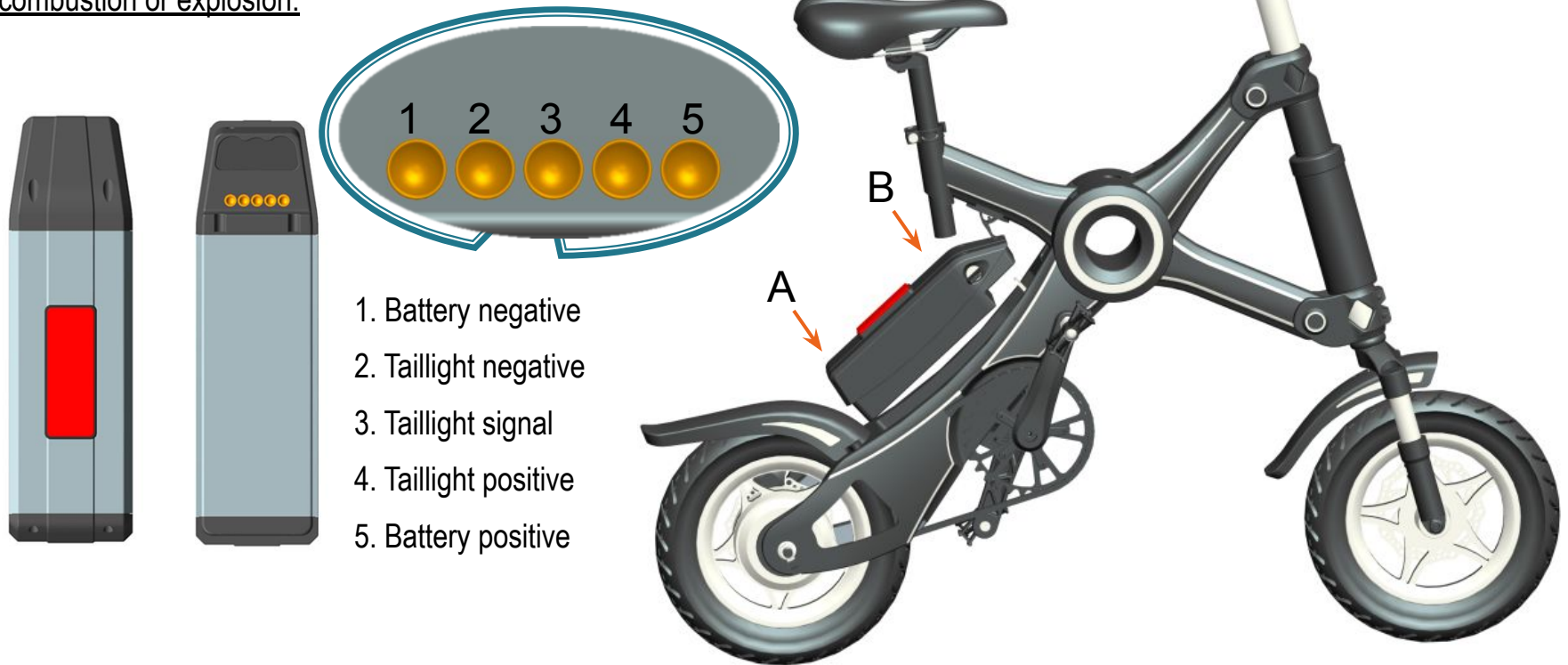
Tighten the fender screw as picture for both sides



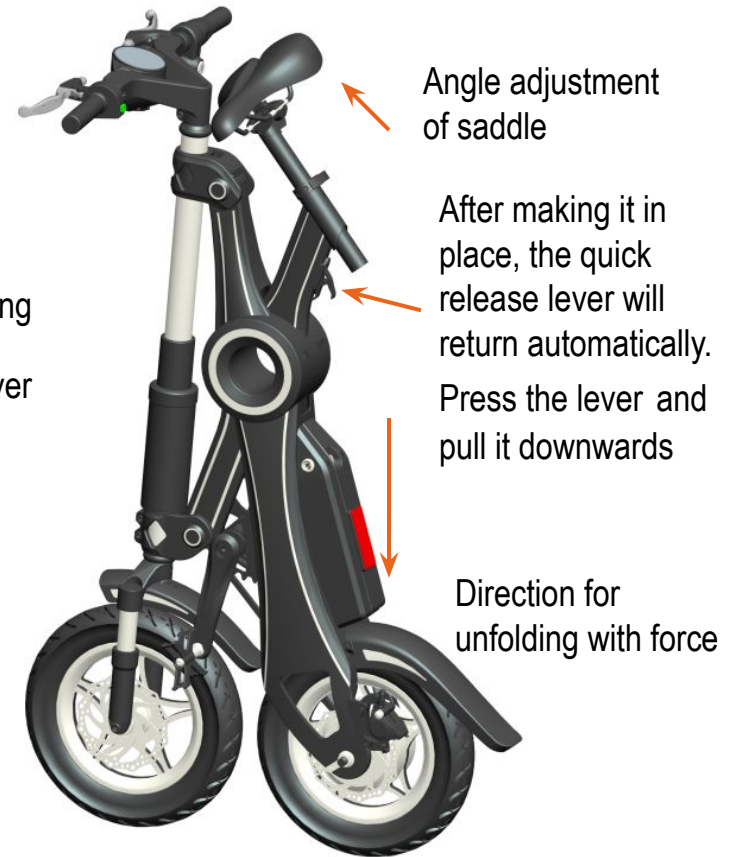
3. Steps for battery installation:

Direct the battery pack at the installation position on the frame, push side A first, then push side B, turn the key to make the battery pack fixed in.

Note: Special attention should be paid to the battery pack, not to allow any conductive objects to contact the battery negative electrode copper, to avoid short circuit caused by spontaneous combustion or explosion.



4. Folding system



VIII. Common failures and maintenance

Common failures:

- Motor does not rotate or vibrate.
 1. Water joint gets loose.
 2. Voltage is too low.
 3. Cable is damaged and broken.
 4. Rolling handle is damaged.
 5. Controller is damaged.
 6. Motor Hall is damaged.

- Abnormal sound shock absorber
 1. Shock absorber spring lubrication is invalid.
 2. Shock absorber sleeve gets loose

- Battery cannot be charged
 1. Charger connector gets loose.
 2. Charger is damaged.
 3. Battery pack is damaged.

Maintenance tips:

1. Don't park the scooter outdoors in an exposed state. Avoid direct sunshine or rainwater. If rainwater enters the scooter and its accessories, short circuit will be caused.
2. Check the tyre abrasion regularly and brake block abrasion. Check whether every joint gets loose.
3. Try to avoid the following circumstance that charging is conducted after the battery is used up.

IX. Quality commitment

1. Customers enjoy warranty service by warranty card. The serial No. on the warranty card must be consistent with that on the scooter. The warranty period will commence from the earlier date between the invoice date and the product activation date. If the initial date for warranty cannot be presented, the ex-factory date will be considered as the initial date for warranty which is used to judge whether the product is within the valid warranty period.
2. If there is any product performance problem within 7 days after it is sold, customers may choose to maintain, replace or return after such problem is confirmed.
3. If there is any product performance problem within 15 days after it is sold, customers may choose to maintain or replace after such problem is confirmed.
4. If there is any product performance problem from sales date to warranty period, our company will provide free maintenance service after such problem is confirmed.
5. Within warranty period, the following circumstances will not in the free maintenance scope:
 - . The total mileage of the scooter has been up to 2,000km.
 - . Any damage caused by installation or use arising from failure to follow the requirements in user manual.
 - . Product serial No. is deleted or modified.
 - . The product serial No. or model on the warranty card is not consistent with the product itself.
 - . The product is disassembled or maintained not by our authorized personnel.
 - . Natural abrasion (including vehicle housing, handle, tyre and gearbox etc.) which does not affect product function.
 - . Product damage caused by accidental factors or improper use (such as mechanical damage, falling and impact) .
 - . Any damage caused by overloading and extreme sports.
 - . Any damage caused by fire, liquid soaking, earthquake, abnormal storage or force majeure.
 - . Loss of quick-wear parts such as packing material and various technical data.
 - . Failures or damage caused by those factors unrelated to product design, technology and quality etc.
6. We provide paid maintenance service for the faulty products exceeding the warranty period.

List for accessories under maintenance warranty :

Serial No.	Part name	Warranty period	Remark
1	Charger	12 months	Charger can be replaced if it has a performance failure which cannot be repaired.
2	Controller	12 months	Replacement within 6 months, maintenance within 1 year
3	Motor	12 months	Replacement within 6 months, maintenance within 1 year
4	Battery	12 months	If the battery capacity is lower than 80% (except man-made factor), our company will provide "three guarantees" service.
5	Frame	36 months	If the frame deflects due to open weld, desoldering, breakage and distortion, it can be replaced. If it is damaged by impact or personal refitting, our company will not provide "three guarantees" service.
6	Front wheel	12 months	If there are fissure and crack, and the bearing runs out of external diameter seriously, the front wheel can be replaced. It will not be replaced if it is damaged by man-made factor such as overloading.
7	Saddle	6 months	The saddle can be replaced if it is leather aging and breakage. It will not be replaced if it is damaged by man-made factor such as overloading.
8	Tyre	3 months	It is due to scooter body (such as bubbling and layer breakage)
9	Meter Headlamp	12 months	It can be replaced if its performance failure cannot be repaired.
10	Front fork (including suspension) Rear for	12 months	If the fork deflects due to open weld, desoldering, breakage and distortion, it can be replaced. If it is damaged by impact or personal refitting, our company will not provide "three guarantees" service.

Warranty Card

Date	Failure description	Solution	Maintainer	Customer's confirmation

X. Packing list

Serial No.	Name	Quantity
1	E-bike	1 piece
2	Battery Pack	1 piece
3	Charger	1 piece
4	Remote Control	2 pieces
5	Key	2 pieces
6	Pedal	1 set
7	Tool	1 set
8	Fender	1 set
9	User Manual	1 book

XI. Dealer information

Dealer's name	
Dealer's telephone	
Dealer's address	

Frame serial No. :



Patented product counterfeiting not allowed.

Patent for utility model: ZL 2014 2 0697986.8

Design patent: ZL 2014 3 0059360.6

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