

# **ST 350 User Manual**

*suotu.ca*

## II. Non - warranty regulations

1. Authorized maintenance, misuse, collision, negligence, abuse, intake, accident. Improper use of non-product accessories, or tear up the modified label, anti-counterfeit mark.
- 2.The warranty period has expired;
- 3.Damage, caused by force majeure;
- 4.Failures, which do not correspond to the 《List of faults》
- 5.A failure of the device or its components from the 《Fault list》 , which arose in connection with the human factor, and which interfere with normal operation.
- 6.Failures, that have arisen in connection with the human factors (including, but not limited to, excessive wetting device, puncture, drop, scratch and damage an outer casing,which have arisen as a result of normal use of goods)
- 7.If this product is used for commercial purposes,all warranty conditions are not maintained.

## III.List of faults

Name of fault	
Electric Scooter	Incorrect motor operation
	Problems with operation of the controller
	Problems with charger
	Problems with battery
	In use,the occurrence of cracks,deformation, etc

## 11. Warranty

Warranty service is carried out in accordance with the law on 《consumer rights》 and the 《Law on the quality of products.》 The warranty service includes:

Recommendation: use the packaging for safe transport of the device. We recommend keeping the original packaging within 15 days after receipt of goods.

### I. Warranty terms

Name	Information on warranty maintenance	Term
Main Unit	Frame, hub motor, controller, steering wheel, handle bar, control panel, rear hub, brakes, disc brakes (folding) system, fork, front fork governance system bus control, brake cable	1 year
Accessories	Battery, power supply, brake level, switching gears	6 months
Exterior parts, that easily wear out	Anti-collision strip, headlights, instrument cover, handle sets, tires, inner tubes, bell, fender, taillights, decorative cover, stand, battery compartment cover, foot pad, charging port, rubber stopper	3 months

Caution:  
Hex wrench, connecting pipe and other consumable component parts have no warranty.

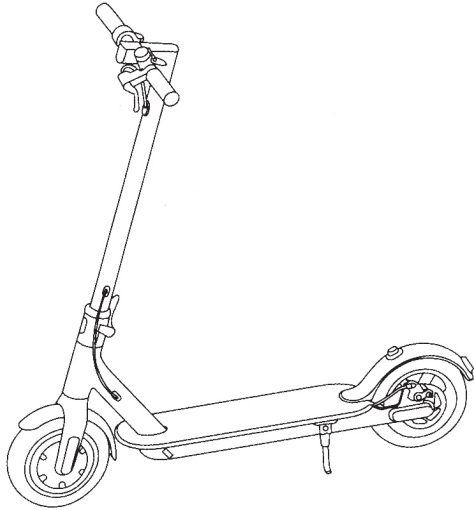
Thanks for choosing our product. Have fun with this electric scooter.

## Contents

1. The Device & Accessories .....	02
2. Functions .....	03
3. Assembling .....	04
4. Charging scooter .....	05
5. Learning driving .....	05
6. Safety Instructions .....	07
7. Folding & Transportation .....	12
8. Care and Storage .....	13
9. Parameters .....	16
10. Presence of toxic and harmful substances .....	17
11. Warranty .....	18

# 1. The Device & Accessories

Vehicle



Accessories



Fitting for wheels swap

Screws x 2

Hex Wrench

Charging Adapter

# 10. Presence of toxic and harmful substances

Name	Toxic and harmful substances elements					
	Pb	Hg	Cd	Cr6+	PBB	PBDE
Power adaptor	X	O	O	O	O	O
Battery	X	O	O	O		O
Connecting pipe	X	O	O	O		O
Charging port	X	O	O	O		O
Indicators	X	O	O	X	X	X
Circuit board	X	O	O	X	X	X
Motor	X	O	O	X	O	O
Housing	X	O	O	O	O	O

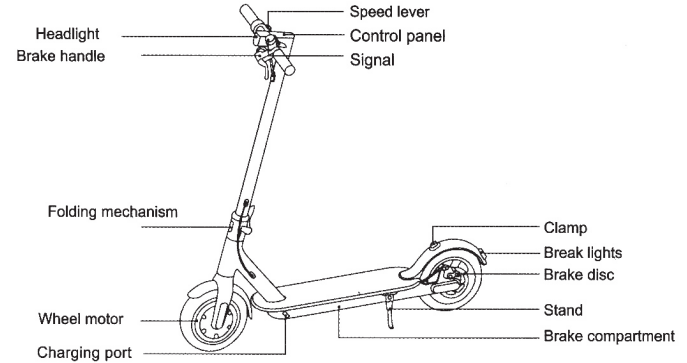
Date provided in accordance with provisions of SJ/T 11364.

O:toxic and harmful substances in all components of the device are contained in an amount below the limit value, according to standard GB/T 26572-2011.

X:presence of toxic and hazardous substances at least one of components of the device in an amount, that exceeds the threshold, according to GB/T 26572-2011

	Rated power(Wh)	187	280
	Smart battery management system	Stress,insufficient voltage,short circuit,auto sleep/wake up,overheating protection,control of battery using	
Motor Parameters	Rated power(W)	200	250
	Max power(w)	400	500
power adaptor parameters	Rated power(W)	71	
	Rated input voltage(VAC)	100-240B	
	Rated output voltage(VDC)	42V	
	Rated current(A)	1.7	
	Certificate	CCC,RoHs	
	Charging time(h)	Est . 3.5	Est. 5

## 2. Functions



### Mode Indicators



The control panel has 4 LEDs, indicating a level of charge. During consumption of a battery, status indicators are lit, then flashes and final off one by another. If all 4 LEDs are lit, a battery level is 100%-86%; if 3 LEDs are lit, and one is blinking, charging level-85%-71%; so all charge level lights begin to flicker, and then does not light.

Lowest charge level indicator may be white or green . When the vehicle is in normal operation, LED glows white; if the scooter running in power saving mode, indicator lit green. ( In power saving mode: the maximum speed is 18km/h, speed level is adjusted more smoothly, that is more suitable for beginners.)

1. Long press (3 seconds), turn on/off function.
2. After starting the machine, press once to turn the headlight on/off.
3. After starting the machine, press the button for 2 consecutive times and switch to 1/2/3 gear.
4. After starting the machine, press the button for 4 consecutive times to switch to zero start/non-zero start.
5. After starting up, press 5 times in succession to switch the color of the speed code table.
6. After starting the machine, press the button for 6 times in succession, and then switch to km/mil

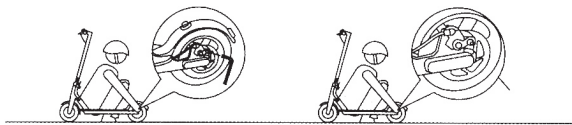


## 9.Parameters

Operating parameters	Name	M187 parameters	Pro Edition
Dimensions	Length x Width x Height[1] (cm)	106 x 42 x 48	
	Folded:Length x Width x Height(cm)	106 x 42 x48	
weight	Gross weight	12kg	12.5kg
Conditions	Max load	100	
	Age	16-50	
	Height(cm)	120-200	
Main Parameters	Max speed(km/h)	25	
	Possibility in average condition [2] (km)	20	30
	Maximum slope(%)	11	14
	Suitable area	Solid road surface,smooth clay surface to overtime,obstacles high less than 1cm,a depth of pools no more than 2cm	
	Operating temperature range(°C)	-10-40	
	Temperature of storage(°C)	-20-45	
	Waterproof level	IP54	
Battery Parameters	Rated voltages(VDC)	36B	
	Max voltage of charging(VDC)	42B	

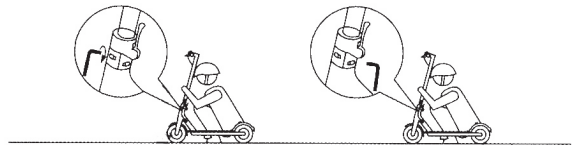
## Adjusting a brake disc

If a brake is very tight:using M5 hex wrench and scroll counterclockwise screws of brake disc tensioner pulley,slightly shorten a length of a tail brake cable,then tighten a tensioner pulley.If you think that brake is very free,loosen a tension pulley,pull a brake cable to slightly increase a length of its tail.Tighten a tension pulley.



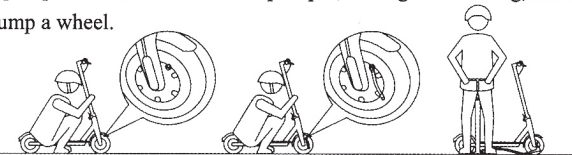
## Adjusting a handle bars

Staggering of steering rack: using a M5 hex wrench,tighten two screws near the folding mechanism.



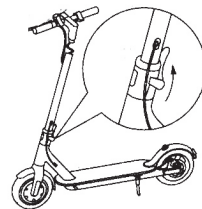
## Using a connecting pipe to pump wheels

If a rear wheel of Electric Scooter deflated,connect a connecting pipe to a wheel nipple to pump it .First,remove the cap of pin,then tighten a fitting,and then you start to pump a wheel.

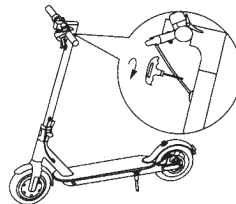


## 3. Assembling the device

1).fix the steering rod and open the parking bridge



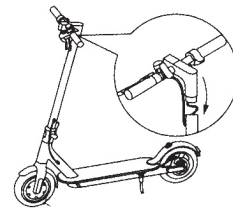
Using hex wrench in the packing box to tighten the screws on handle bar



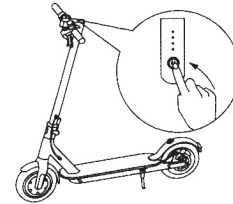
### Power Button

Press power button to turn on the vehicle. Press and hold a button for 2 seconds to turn on the device. When switched on : press power button to turn on/off a flashlight ; press a power button twice to normal mode and power saving mode.

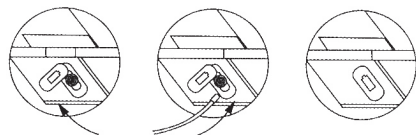
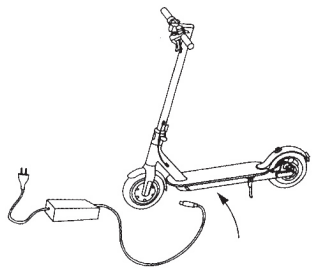
2).Set handle bars vertical;



4. Testing the power switch after finish assembling



## 4.Charging scooter

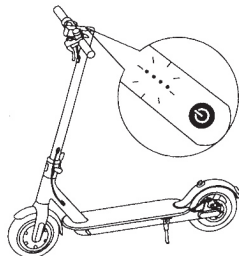
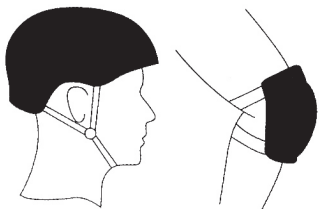


Open the cover   connect the charger   close the cover

## 5.Learning driving

Please wear helmet and knee pads when practice

1 .Power on and check the battery led light



the device, to prevent an occurrence of an accident or fire of the vehicle;  
4) Improper disposal of used batteries and accumulators is the cause of severe environmental pollution. Please, dispose of batteries in accordance with local laws. Please do not dispose of batteries together with food waste. Protecting the environment together!

5) After each use of the device, charge the battery to prolong its service life. Do not store the scooter battery in rooms with temperatures that exceed 50°C or -20°C (for example, do not leave the battery of Electric Scooter and other batteries in cars in summer time on the hot sun), do not leave the battery near fire. As a result of these actions may deteriorate the battery, overheating and can even cause inflammation.

If within 30 days the scooter is not used, charge the battery and keep the device in a cool, dry place. Every 60 days you need to charge the battery, otherwise there is the likelihood of its failure, which is not subject to warranty services.

Avoid a full discharge of the device, it will extend battery life. When using the device at normal room temperature, the battery will be able to ride much greater distance and its performance will be better; but if you use the scooter at temperatures below 0°C, vehicle performance and permeability decrease.

At -20°C a traveled distance is less, than the scooter in the normal conditions of half or even less. If a temperature rises, a traveled distance by the vehicle will also increase. You can check remaining distance in the Application.

Note: A fully charge scooter runs about 120-180 days of standby time. The battery has a smart chip, that stores information about its charging-discharging. If you are not charging the battery for a long time, it can cause serious damage, for which it is impossible to charge the device again. This kind of damage is not included in free warranty service. (Caution: Do not disassemble the device by unauthorized people, as there is a risk of electric shock or serious injury as result of a short circuit.



## 8.Care and Storage

### Clean and store Electric Scooter

If you find any stains on electric scooter housing, use a soft,damp cloth to wipe the vehicle;You can use toothpaste and a toothbrush to clean the scooter from stains, and then wipe it clean with a damp cloth. If you find scratched on parts , made of plastic, use sandpaper or other grinding materials for their polishing .

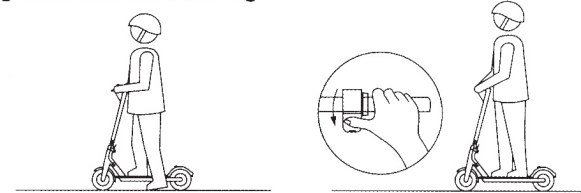
Warning : Do not use alcohol, petrol,kerosene or other corrosive solutions , volatile chemical solvents to clean the vehicle. Otherwise,it will cause serious damage to the scooter body and can disrupt a structure of internal elements. Do not wash electric scooter under a strong pressure of the water, make sure the scooter in the off status. In addition, after charging of the vehicle, it is necessary to insert a plug back to a charging connector,otherwise you may get an electric shock , or may have serious water damage cause from water falling into this hole ,may have serious water damage.

If you do not use the scooter ,store it in a dry ,cool place and do not leave the unit for a long time on the street.Leaving the device under the sun/in extremely high temperature/over-low temperature can cause rapid aging of an outer body and wheels of Electric Scooter or reduce battery life.

### Maintenance of Electric Scooter battery

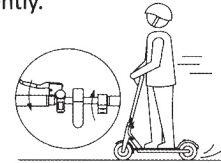
- 1)Do not use batteries from other brands in order to avoid a dangerous situation;
- 2)Do not open or disassemble the battery to prevent electric shock.Avoid contact with metal objects to prevent an occurrence of a short circuit. Otherwise,the battery may have malfunction or can injure the user;
- 3)It is recommended to use an AC adapter,that comes in original configuration of

- 2.,Stand on pedal with one leg,  
hit the ground with the other leg

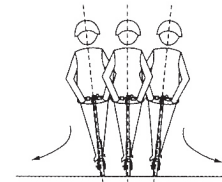


- 3.,Step on the other leg when the scooter is moving, then press the accelerate button (only accelerate when the scooter speed is beyond 5km/h)

- 4.loose the accelerate button when slow down. Energy recovery systems will open itself to slow down. Press the left disc brake tightly if want to brake urgently.



- 5.lean your body left slightly to turn left,  
lean your body right slightly to turn right.  
And turn the handlebar slowly



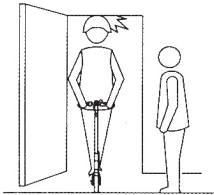
## 6 Safety Instructions

It is not recommended driving on the rain



Entering into any room, elevator, etc.

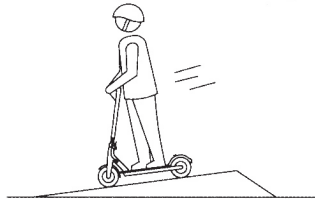
Be careful not be injured by a door frame.



It is recommend to slightly bend knees to better adjust to a rough road.If you are travelling on a rough road,stick to low speed (5-10km/h)

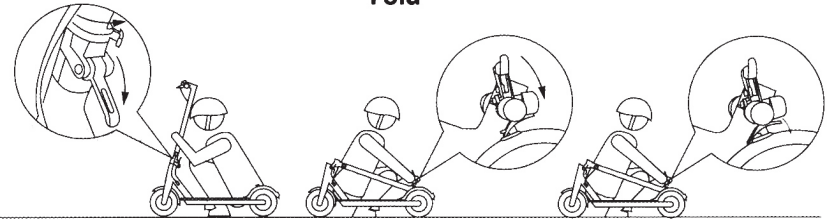


Please not add speed when descending a hill



## 7.Fold and Transportation

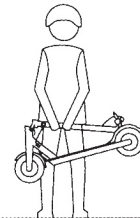
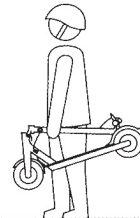
### Fold



Make sure scooter be off , hold the front pole , loosen a lock lever and lower a steering rack . Adding a steering rack in a horizontal position and secure it by inserting a hook through a special ring , which is located on the rear wheel mudguard . To Assemble the scooter ,disconnect a steering rack lock from a hook of a mudguard , and then lift it into a vertical position and lock a lever .

### Transportation

You can transfer folded scooter with one hand



## Safety Recommendations

1) Electric scooter - it is only a device for entertainment, not vehicle. But once you driving to public area, the electric scooter brings certain risks for your safety. For the sake of your safety and others safety, you must strictly follow the instructions, outlined in this driving manual.

2) You should understand that if you ride a scooter in a public place, you must comply with all recommendations for safety. Also do not forget that there is a possibility of collision, due to violation of pedestrians or vehicles traffic rules, there is also a risk of injury, due to improper operation of the unit. As in other types of vehicles, the higher a speed of electric scooter, the greater a braking distance. On some smooth road emergency braking may cause skidding of scooter, loss of balance and even fall. Therefore, during moving of scooter you need to be vigilant, to adhere to an appropriate speed, keep a safe distance from pedestrians and / or with other vehicles. Riding on unfamiliar terrain, keep vigilance and appropriate speed.

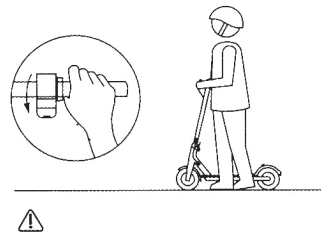
3) While riding scooter, respect rights of pedestrians. Do not scare them, especially children. Reduce speed, passing by them. If you are moving in the same direction with pedestrians, try to stick to the left side as much as possible (for right-hand traffic countries). If you are moving in the opposite direction, stick to the right and slow down.

4) Please strictly following your country road rules to driving, and also strictly abide by rules, set out in the instructions and safety recommendations. Violation of the above rules may result financial expenses, personal injury, occurrence of traffic accidents, legal disputes, conflict and other unpleasant situations. Our company does not bear any direct or joint and several liability.

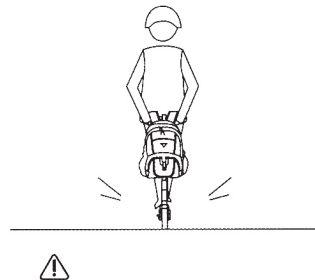
5) To avoid personal injury, do not loan electric scooter to others whom do not know how to drive. Please spend a training before you transfer your scooter to friends, as well as teach he(her) must be wear the proper safety gear.

6) Please do inspect scooter carefully before each use. If you find shattered parts, battery life has decreased obviously, tires leak air or there are signs of excessive wear, uncharacteristic sounds when turning or other abnormal symptoms, please discontinue use of the scooter immediately, don't drive it reluctantly.

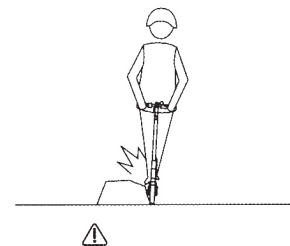
While walking with a scooter,  
do not press a speed knob



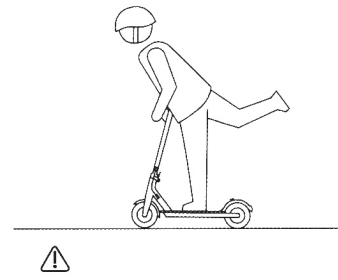
Please do not hang backpacks and  
other heavy objects on handle bars  
ground



When driving it is recommended to  
go around various obstacles on  
a road

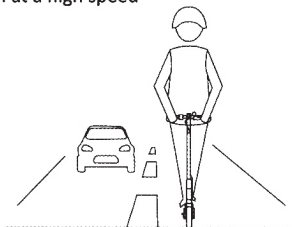


When driving is forbidden to place  
one foot  
on the running board or on the  
ground



## Preventing dangerous driving

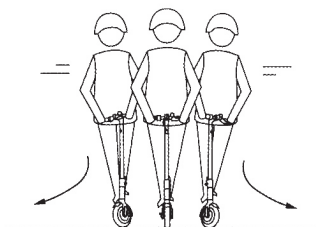
It is forbidden to leave a scooter on a scooter wheel at high roadway for motor vehicles or ride in at a high speed



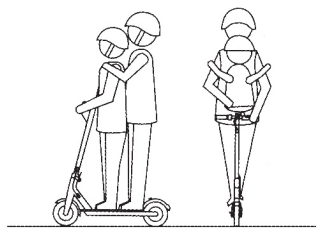
It is forbidden to drive through puddles, to which exceeds depth of 2cm.



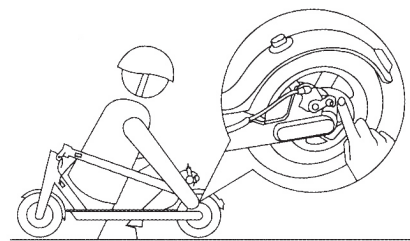
It is forbidden to sharply turn a residential area with a large flow of passers-by



Never rider a scooter more than or one person, hold a child in your arms.



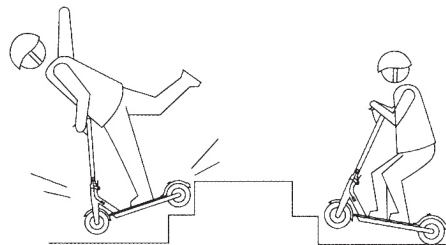
Do not tread the back of the fender



Do not touch the disc brake



Do not driving leaving your hands



Do not riding electric scooter up, down steps or jump over obstacles