

Electric scooter



R8 detail name



R8 size



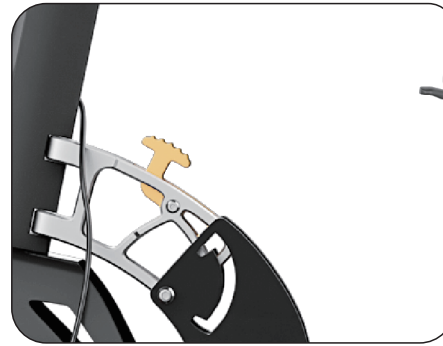
Expand and fold electric scooters



Folding steps



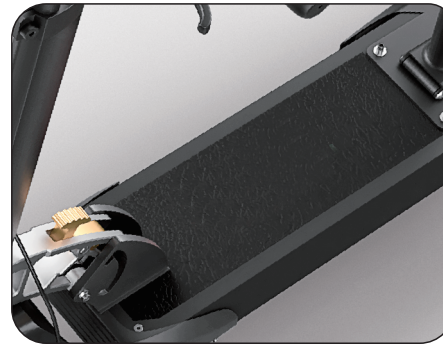
Main parts of electric scooter



One click folding



T-bar



Large board (battery compartment)



Butterfly brake



Shock absorber



Seats

Product specifications and parameters

Product specifications	model	R8
	Dimensions	128*31*38cm
	Center distance between front and rear wheels	850mm
	Vehicle weight	30KG
Product performance	maximum payload	150kg
	Maximum speed	≤65km/h
	Climbing ability	38 degree slope
	Battery type	lithium battery
Battery parameters	Standard voltage	60V
	Battery capacity	18AH
	Range	55KM/H
Motor parameters	Motor type	DC brushless motor
	Rated output power	2400W
	Maximum speed	1600rpm
	Rated voltage	60V
	Maximum output torque	9.5N.m
Charger Parameters	input voltage	AC100-240V
	Output current	2A
	Charging time	9 / hour
	Single charge power consumption	0.6 kWh
Tires	Tire size	10 inches
	Tire type	Pneumatic tire
Brake	Brake form	Front and rear disc brakes
Lamp type	LED	Lamp with horn

Product specifications and parameters

Product specifications	model	R8
	Dimensions	128*31*38cm
	Center distance between front and rear wheels	850mm
	Vehicle weight	32KG
Product performance	maximum payload	150kg
	Maximum speed	≤65km/h
	Climbing ability	25 degree slope
	Battery type	lithium battery
Battery parameters	Standard voltage	60V
	Battery capacity	23AH
	Range	80KM/H
Motor parameters	Motor type	DC brushless motor
	Rated output power	2400W
	Maximum speed	1600rpm
	Rated voltage	60V
	Maximum output torque	9.5N.m
Charger Parameters	input voltage	AC100-240V
	Output current	2A
	Charging time	9 / hour
	Single charge power consumption	0.6 kWh
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Warnings and general instructions

Warning

You are responsible for the maintenance of the electric scooter, so that you can reduce the danger and injury, Therefore, reading this manual and following the instructions will help you reduce the risk.

General warning

- Be sure to comply with local laws and regulations.
- Don't ride this car in low visibility.
- Don't use the car for stunts, wheels or take-off movements. These will increase your chances of injury and damage to your car.
- No passengers.

Warnings and general instructions

Please note that

It is not responsible for the incidental loss or indirect injury caused by the direct or indirect use of this product.

Before riding:

Make sure the m-button is inserted into the folding device / folding bridge

Important note

Why is it necessary to read the manual?
This manual is helpful to understand and correctly use and maintain the electric scooter.
And it's also important to know about your new product electric scooter, its characteristics and performance, In this way, you can enjoy the most from the first ride and later
Fun.
In addition, when riding the electric scooter for the first time, please stay in the open road with no one, There are no obstacles.

In the initial use phase, it takes a short distance to get the components such as the lock and brake in the correct position.

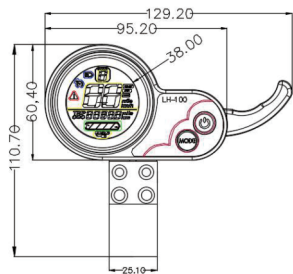
The instructions of display LH-100
(Special for scooters)

The vision of 2018-V1.1

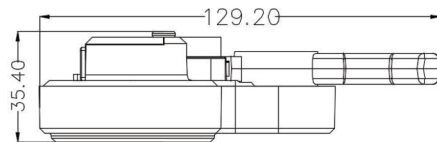


一、 Product specification

The shell of the product is ABS. The transparent window is crystal with high hardness acrylic, hardness value is equivalent to toughened glass.



Elevation



Side elevation

Some display use waterproof plug-in components, so it can't see the color of the line.

三、 Function

1. Show content:

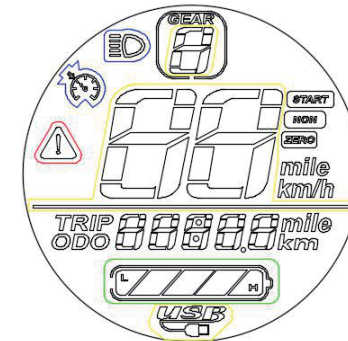
The content of speed, power, hitch, Total mileage, Single mileage

2. The function of control and setting:

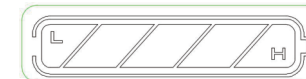
Controller the switch power, Wheel diameter setting, Idle automatic sleep time setting, Backlight setting, Startup mode setting, Drive mode setting, Voltage level setting, Controller Current Limit Setting, USB charging function

3. Communicating Protocol: URAT

All content on display (power on within 1 second)



3.1 Voltage level



3.2 Multifunctional display area



Total mileage **ODO**、Single mileage **TRIP**、Digital voltage display **VOL**、Fault code **ERR**

Fault code (decimal system)	fault condition	remarks
0	Normal status	
1	keep	
2	brake	
3	PAS sense hitch (Riding sign)	Not implemented here
4	6KM/H cruise	
5	Real-time cruise	
6	Battery undervoltage	
7	Motor fault	
8	Turnstile fault	
9	Controller fault	
10	Communication receiving fault	
11	Communication transmission failure	
12	BMS communication failure	
13	Headlamp failure	

3.3 Speed display area



Unit : MPH, KM/H

The speed signal is taken from the Hall signal inside the motor.Sent to controller by controller(Time of single Hall period,unit:1MS).The display calculate the true speed based on

wheel diameter and signal data calculate the true speed(The motor Holzer also needs to set the number of magnetic steel)

3.4 Vehicle power gear adjustment ,



0-9 digital display;

3.5 vehicle status display area



Zero start and non-zero start prompt



The headlight turns on the prompt;



Constant speed cruise hint;



Communication fault prompt;



USB charging hint

4. Setting

P01 : Backlight brightness:The 1 level is the darkest , Level 3 brightest ; Default: 3

P02 : Mileage: unit,0 : KM ; 1 : MILE ; Default: KM

P03: Voltage level: 24V , 36V , 48V , 52V , 60V, Default:52V

P04: Dormancy time:0 means no dormancy;Other numbers are dormant time.The range is 1-60 minute.Default:5

P05: Reserve

P06: Wheel diameter: The unit is inch. The accuracy is 0.1; Default:10.0

P07: Speed measuring magnetic steel number.The range is 0-255. Default:28

P08: Rate-limiting: The range is 0-100%.Default: 100%

P09: Zero start, no zero start setting ; 0 means zero start.1means no Zero start.Default: 0

P10:Reserve

P11: EABS switch choose.The range is 0-5 .0 means closing.1 means weakest. 5 means strongest.

P12: Soft and hard start strength.The range is 1-5. The softest is 1.The hardest is5.Default: 3

P13: Reserve

P14: Reserve

P15: Controller under-voltage.

P16: ODO Zero setting: keep pressing + for 5 seconds,ODO will zero clearing.

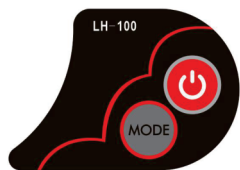
P17: When it shows 0,it can not use cruise.When it shows 1,it can use cruise.Default:0

P18: Reserve


P19: Reserve

P20: Communication protocol is defaults 4.It can not change.



≡、 Introduction of buttons and interfaces





1. When it is shutdown, long-time pressing  to turn on the power. When it is power



on ,It can change interface between the ODO、 TRIP、 VOL, by pressing  for short time.

2. When it is power on, long-time pressing  to turn off,short-time pressing can change gear.

3. Long-time pressing  and  can get into the menu to change the interface.

4. Get into the setting interface, short-time pressing  can change parameter.

Short-time pressing or long-time pressing can add or reduce the numerical value.After changing,short-time pressing  to change the next numerical value.After

changing,long-time pressing  and  to get out of the interface,or waiting 8 seconds,it can save the numerical value and drop out by itself.

五、 Crankshaft regulating motor speed by Up and down, Motor speed increase;relax hand it return to zero.

Operation guide

Battery

- Do not operate the motor when charging
- The indicator light on the accelerator only shows the power (full / empty)
- do not store for a long time (more than two months) when the battery is fully charged
Scooter with burglar alarm (charged once in 10 days)
Note: if the battery is not charged for a long time, the battery can not be charged and discharged normally.
- The best way to use it every time is to use the battery when riding an electric scooter
Put the red light on, slow down, and stop.

Do not use batteries when:

- When damaged
- When abnormal odor and heat are released
- When any leakage occurs

Avoid contact with substances leaking from the battery.

The battery should be kept out of the reach of children and pets.

Exposure to battery voltage can cause death or injury.

If the electric scooter is used, stored and charged outside the specified scope, the warranty period will be invalid, Battery damage, and battery charging invalid.

Operation guide

Charger and battery

The electric scooter is an external charger.

First plug the charger into the charging port of the electric scooter.

The charging port is located under the right foot pedal, and then plug the charger into the power supply.

Charger indicator light red - battery charging

Charger indicator light green - charging finished

Avoid long-term battery failure or full charge.

In order to optimize the battery performance of electric scooter, the battery should be charged every other month (9 hours)

Or charge for 12 hours after each use.

Be sure to disconnect the electric scooter from the power supply before installation, battery removal or maintenance. When electric scooter

These operations are very dangerous when connected to AC power.

Electric shock can cause serious damage to the vehicle

The son was destroyed.

Don't try to turn on the battery. Do not attempt to open or insert the battery with any object, which will cause

Electric shock, injury, burning or fire.

Any attempt to open the battery cover will cause damage and poisonLeakage.

Use the charging tools allowed by the electric scooter for charging.

Remove the battery and carry the electric scooter in the permitted environment and in accordance with the national requirements.

Maintenance of rear wheel flat tire of electric scooter

1. Check whether the electric scooter is unplugged and powered off.
2. Put the body of the electric scooter on a high and stable platform, and hang the front and rear wheels in the air.
3. Open the rear plastic cover with a universal tool.
4. Gently pull out the wires connecting the motor from the right side of the electric scooter.
5. Use 15-18 external hexagon wrench to remove the screw of the motor and remove the motor.
6. Remember the order of the motor washers.
7. Use a professional crowbar (not plastic or too small) to pry the tire out of the motor. Be careful not to damage the motor, wheel hub, tire and inner tube during the process. Use hand sanitizer or soap. After the water is applied, the wheel hub will slide out of the tire.
8. Change the inner tube
9. Install the tire back to its original position, smear the wheel hub with hand sanitizer or soapy water, and then install the tire to the hub. On the hub, do not use any tools in this process, just use hands.
10. Inflate the tire to a tire pressure of 45psi to check if your repair is complete.
11. Install the electric scooter in the reverse order.

matters needing attention

Make sure the charger of the electric scooter is pulled out and the power is off.

artistic cycling

Safe riding

1. Learn about Electric Scooter - know about the car before riding an electric scooter. Try to control the car first, Turning is to slow down, ride carefully, and then give a certain amount of braking buffer time.
2. Your riding ability - first gain control of the car. When practicing riding an electric scooter, you should Find an open place with no obstacles.

artistic cycling

Foot position - place your foot in the front of the car before cycling, with the other foot on the ground.

Make sure the route is clear.

Before starting, slide forward with the foot on the ground (like riding a scooter without power).

Press the acceleration button immediately and lean forward to avoid falling backward due to inertia

The electric scooter will enter the working state.

Avoid pressing your body against the handlebar during acceleration and deceleration.

When accelerating and decelerating, avoid pressing your body on the handlebar.

One foot in front, one foot in the back.

matters needing attention

Like most sports, riding also has the risk of injury and damage.

The responsibility of choosing electric scooter and the risks arising therefrom should be borne by you.

It's important to understand and follow the safety rules.

Maintenance of electric scooter

charge

When the lithium battery is out of power, it needs to be charged in time. If the battery is not charged for a long time, it will not be able to charge and discharge normally!

Tires / brakes

When the braking performance begins to decline, the regulator on the brake line can be adjusted to achieve the required sensitivity.

If the brake line is adjusted, the brake performance is still poor, or the brake sounds, you need to find the product dealer Replace the brake pads.

If the electric scooter is used for a long time, if the frame is loose, please check the tightness of the screws in time.

General troubleshooting

ChecklistWhen

the product cannot operate normally, please check whether the following actions have been completed:

- 1 power on
- 2 The electricity shows that there is still residual power
- 3 brake handle released

All sockets and connectors are clean and connected accurately

If the above actions have been completed, but the product still cannot operate normally, please consult the product dealer.

Fast repair of electric scooter

The electric scooter is assembled by professionals. Any attempt to install or replace the electric scooter without permission

The operation of any accessories will damage

the electric scooter and will not enjoy the warranty provided by the manufacturer

Repair service.

Tools required

