

*Electric Scooter*

**USER'S MANUAL**



# Specification

specification	Model	ES-005-12
	Outer size	1320*500*1050mm
	Wheel base	12x2.125
	Vehicle weight	22.3KG
performance	Max load	120KG
	Climbing ability	7-12°
	Battery type	48vbattery
	Standard voltage	48V
Battery specification	Battery capacity	48v10a
	mileage	≥40-50Km
	Motor type	BLDC motor
Motor specification	Output rating	1000W
	Max speed	≤50km/h
	Rated voltage	48V
	Max output torque	9.5N.m
	Input voltage	AC100-240V
	Output current	2A

Charger specification	Charging time	6-7h
	Single charge power consumption	0.5kw/h
	Tyre size	12"X2.125
Tyre	Tyre type	pneumatic tire
	Brake type	Front and rear disc brake
Brake	Light type	LED
Light		

## User security

1. Avoid carrying people.
2. Wear security helmet before riding, do not one-handed riding.
3. Charging more than 6 hours for first riding.
4. Practice at open space, after knowing operation then riding.
5. Do not riding against traffic rules or unsafe situation.
6. Do not cut power during riding.
7. Do not riding on the uneven road (drop more than 3cm), it may lead to injury and damage of E-scooter.
8. Do not use this scooter when the temperature is below 5 degrees. For long term storage, make sure charging once per month.
9. During riding, the foot should keep on pedal.
10. When crossing uneven ground, please moving slow.
11. Do not riding on the ground which have much water, oil or freeze.
12. Adjust T tube to proper situation.
13. Do not soak in water above 5 cm or wash, it may cause motor, battery and circuit failure.

# Warning and instruction

Do not operate the e-scooter before reading this user manual thoroughly. The manufacturer will not be responsible for any damage or accident due to improper use.

## **Routine warning**

1. For your safety and others, please follow the traffic regulations.
2. Do not riding this E-scooter under bad visibility.
3. The E-scooter is not recommended for stunt drive, wheelie or jump, it will increase the possibility of injury and damage of E-scooter.
4. Avoid carrying people.

Need to know before riding

1. Make sure all foldable device are lock.
2. Please wear helmet and knee guard before riding.
3. Drive slowly on urban road, open space can drive faster.
4. Do not use battery to operate on holed road, keep away from water and fire.

# Riding operation

Prepare riding

1. Choose an open ground.
2. Unfolding as described above.
3. Adjust handlebar height.

## **Riding (PAS)**

1. Press power button for a second to turn on power.
2. In order to ensure the safety of users, the product adopt PAS start. First, put one foot on the pedal, another foot on the ground, then slide, at the same time to press the accelerator dip.
3. E-scooter slide forward, put the foot on the ground to pedal. Adjust speed via the angel of accelerator dip.

## Brake

This E-scooter equipped with front and rear disc brake and EABS Electromagnetic brake. Pull back brake handle, then put foot on the ground. Remember do not sudden brake or only use front brake, it may lead to serious consequence, like turn over and so on.

## Note

Do not use this E-scooter in bad weather like freeze, snow and foggy.

## LCD display instruction

### Basic Parameter:

Output: 30V-80V Input voltage: 30V-80V

Working power:  $1W \pm 10\%$  Wattage:  $1W \pm 10\%$



Dashboard:

1. Battery

2. P = parking
3. D = Drive
4. Speed Mode: 1 or 2 or 3
5. Headlight
6. Speed
7. Mileage (the mileage KM will be showed within 10 seconds after turning power on, after 10 seconds, it show voltage when riding, 3 seconds after parking the single range will be showed at this position)

#### Wire Connection:

Throttle Positive: pink

Throttle Negative: Black

Horn Signal: Green

Speed Wire: Blue

Headlight Signal: White

Lock: Red in, Yellow out.

## Battery & charging instruction

### **Battery**

1. Do not operate motor under charging.
2. Battery shows on the display only for reference.
3. Charging one time every 30-60 days for long time storage.
4. Low battery voltage may influence mileage, long-term low power will reduce battery life, so, make sure there is enough electricity before riding.

### **Do not use battery under following condition**

1. Broken.
2. Release abnormal smell and heat.
3. Any leakage happened.
4. Avoid contact with leakage from battery.
5. Keep battery away from baby and pet.

### **Charger and battery**

1. This E-scooter is outer charger. First connect charger plug to E-scooter, charger port is on the upper right of pedal, then connect charger plug to power.
2. Charger indicate red—in charging  
Charger indicate green—finished charging
3. In order to protect controller, pull out plug in time when finished charging.
4. To keep battery in good condition, charging 9 hours per time per month.
5. Do not use any tools to open battery or insert into battery, it may cause injury, burning or fire accident.
6. Please use original standard charger to recharge battery.

### **Battery and charger**

Each E-scooter equipped with a special lithium battery, other types of battery do not use this battery charger.

### **Lithium battery**

It is good to charge battery anytime. For long term storage, make sure charging once per month. If can not charge, contact with distributor.

### **Charger**

Charger have overcharge protection function, when the battery is fully charged, will stop charging automatically.

### **Charging instruction**

1. Connect charging plug to E-scooter charging port.
2. Insert charger plug into socket (AC100-240V)
3. When charger light turn red, it means battery is under charging condition, when it turn green, means battery is fully charged. We suggest to charge 2 hours more when it turn green.

### **Quick repair**

Our E-scooter is assembly by professionals, do not install and change any part of E-scooter, it will influence whole performance. In this way, manufacture can not provide any guaranteed service.



# Repair and maintenance

## Flat tire maintenance

1. Check if the charger is pull out and power cut off
2. Put E-scooter to a higher and stable table, hanging front and rear tyre.
3. Use spanner to remove screws then take down motor.
4. Pull out all wires connected to motor.
5. Remember the order of motor gasket
6. Use professional crowbar(not plastic material or too big) to apart tyre from motor, note to protect motor, hub, tyre and inner tyre.
7. Air inflation to 20-28PSI.
8. Rear wheel locking torque  $\geq 30\text{N.m}$ .

## Maintenance

When the brake performance began to decline, adjust the adjuster on brake cable to certain sensitivity. If it doesn't work or have noisy when need to brake, please contact distributor to change brake pads.

The lithium battery can be recharged for 400 times, if the mileage become short distance, please change lithium battery.

# General trouble shooting

## Check list

When the product doesn't work properly, check the following:

1. If the power has been open
2. Power adequacy
3. The brake pull up
4. Make sure socket and connector are clean and connect well

If the above mentioned is ok then contact distributor.