CASWE L10

Electric Scooter
User Manual

Easwe L10

Smart Electric Scooter

User's Manual

User: Before using the electric scooter, please read this manual in detail and keep it for reference. Users should pay special attention to the ★ marked parts in this manual and operate correctly according to the requirements of this manual.

Thank you for buying Easwe L10 smart electric scooter

The illustrations used in this manual are intended to illustrate the operation method and structure of the product. In case of any small difference between the actual product and the drawings, please refer to the actual product.

In order to improve the quality of the product, we may change part of the structure and appearance of the product without informing you. Please understand.

CASWG

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catalogue

LETTER TO USERS

For users

Dear Customer:

Thank you for purchasing our Easwe L10 electric scooter. Our electric scooter is designed and manufactured with excellent safety, comfort and lightness.

The Easwe L10 electric scooter will give you more freedom of movement, it will be your trusted and reliable friend.

This manual will help you understand the performance, operation, and maintenance of electric scooter. Before you first operate an electric scooter, please read and fully understand the manual. If you need further assistance or guidance, or if you find it difficult to operate the scooter effectively, please contact your sales representative or manufacturer for better guidance and support. This is to prevent accidents and injuries caused by operational errors.

Easwe L10 Electric scooter

SAFETY SIGNS
safe mark

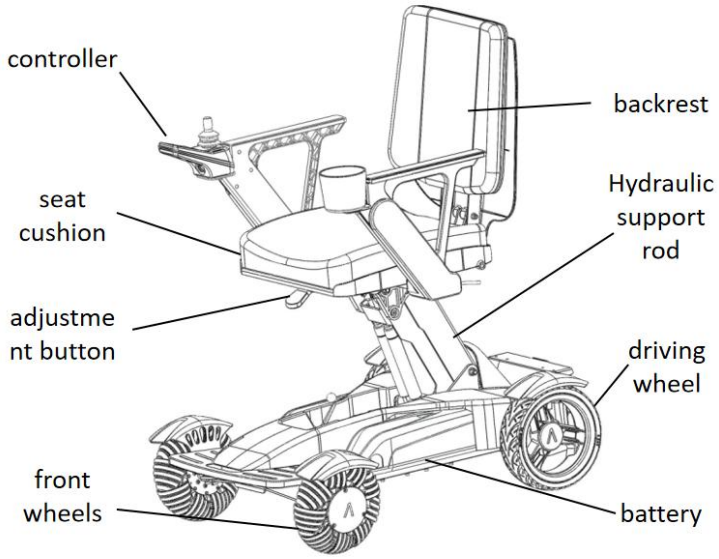
The following symbols can help you identify some warning, mandatory and prohibited operations of electric scooters. It is very important to fully identify and understand them.

	Read and follow the instructions in this manual.
	A warning sign about safety; or a dangerous operation that may endanger you or others.
	Do not use cell phones, walkie-talkies, laptops or other radio transmitters during operation.
	Easy to crush / break point.
	Avoid contact with rain, snow, ice, salt and placement in water. Maintain clean and dry conditions.
	This product has passed the electromagnetic/rf resistance 20 volts/meter test.
	The battery contains corrosive chemicals.
	There is a possibility of an explosion.
	Do not use batteries of different capacity and model at the same time. Do not mix new and old batteries. Replace all batteries when replacing batteries.
	Keep tools and other metal objects away from the positive and negative terminals of the battery. If they touch the terminals, they can cause a short circuit and electric shock.
	Caution: Flammable materials should not be exposed to open flame or sparks and other heat sources. Do not transport batteries with flammable, explosive or combustible materials.
	date of manufacture 。
	term of validity 。
	Classified by the degree of electric shock prevention: B type application part symbol.
IPX4	classification of waterproof 。
	Pay attention to the random file symbol.
	Class ii equipment.

PRODUCT MANUAL
product description

[Structure and Composition]

electric scooter is mainly composed of frame, motor, controller, battery and seat.



【 scope of application 】

For disabled or unable to walk fully (excluding obesity) for transportation.

[Expected use environment]

electric scooters are suitable for living rooms, hospitals, nursing homes and families;

The use environment of electric scooter:

Relative humidity: 60%±35%

working temperatur-10℃-45℃

Power supply: AC220V,50Hz Battery

voltage: DC 24V; Motor power: 200w*2;

Driving conditions: Do not drive in the motor vehicle lane, do not cross obstacles more than 25mm high, do not cross ditches more than 100mm.

PRODUCT MANUAL
product description

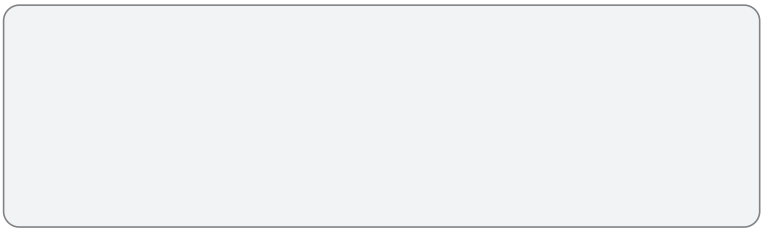
[Contraindications] Patients with visual or intellectual disabilities and patients with neck diseases who cannot observe the rear environment normally should be operated by others. It is contraindicated for patients with paraplegia below the chest, osteoporosis and osteogenesisimperfecta.

[Storage] This product should be stored indoors and in a ventilated place to avoid direct sunlight and moisture.

[Model] Easwe L10

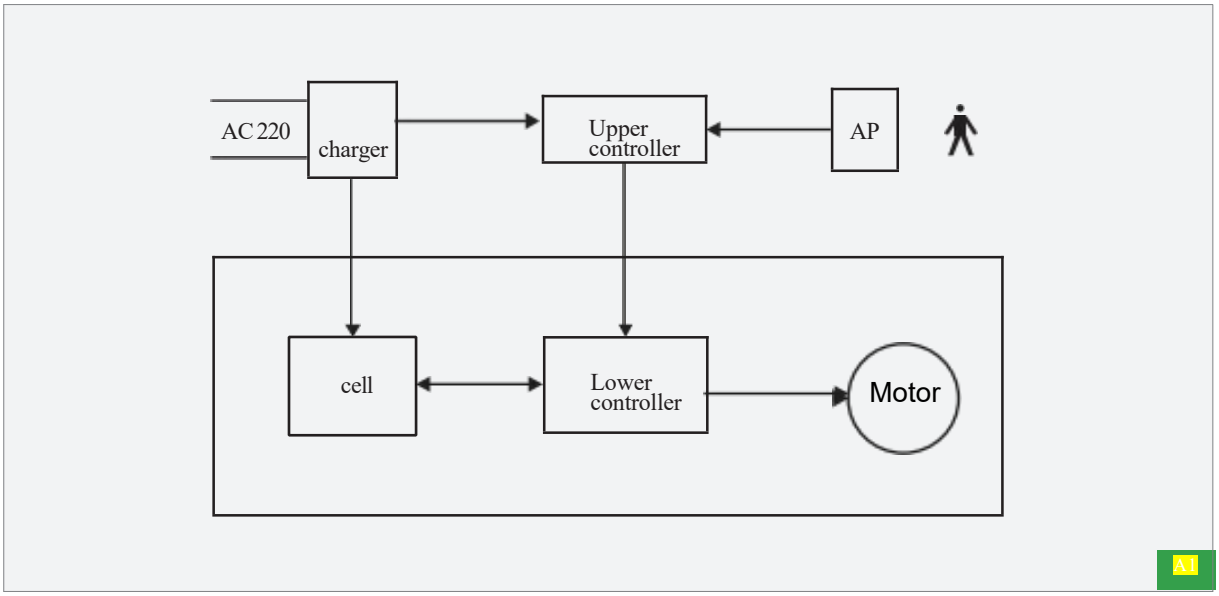
[Finished vehicle frame number] DGN5003-A-240715-00001 (corresponding to: product model-style-production date-production line sequence)

[Frame number identification] See the body for details (the diagram is for reference, and the actual body is subject to the specific situation)



【 label 】

PRODUCT FEATURES
Product features



Product features

1.1 Classified by electric shock prevention type: Class ii internal power supply equipment.

1.2 Classification according to the degree of electric shock prevention: Part B application.

1.3 Classified according to the degree of protection against liquid intake: IPX4.

1.4 Classified as non-AP/APG type according to the degree of safety when used in combination with flammable anesthetic gas mixed with air or with flammable anesthetic gas mixed with oxygen or nitrous oxide.

1.5 Electromagnetic compatibility is grouped according to GB 4824: group 1, class B.

1.6 Classification according to operation mode: continuous operation.

1.7 Rated voltage and frequency: Charger voltage: AC220V,50Hz; Internal power supply voltage: DC 24V.

1.8 Input power: 200VA.

1.9 There is no application part with protection against defibrillation discharge effect.

1.10 No signal output section.

1.11 Non-permanent installation products.

PARAMETERS AND INDICATORS
Technical parameters and indicators

Main parameters of the product

Size and load-bearing capacity	
Expanded size (length x width x height)	1020×600×990 mm
Folded size (length x width x height)	860×600×380 mm
Maximum load	120 kg (≈265lb)
Conduct oneself with dignity	25kg (battery excluded)
any power-generating or power-driven machine	
type	DC brushless motor
power rating	200 W*2
input voltage	DC 24V
quantity	Two
brake system	Electromagnetic brake with separate handle
cell	
type	Lithium-ion battery
nominal capacity	12Ah
output voltage	DC 24V
quantity	One
controller	
Type / plug type	Take it with you. Portable
Input voltage/current (max.)	DC 24V 30A
charger	
type	Take it with you. Portable
inport	220V (Chinese mainland region), 50Hz, 1.2A MAX
output	24V 2.0A、3.0A
front wheel	
Outer diameter x tire width	8 inches with a 72mm wheel width
type	All-direction wheels
material quality	TPU, solid tyre
quantity	2 Pcs

PARAMETERS AND INDICATORS
Technical parameters and indicators

back wheel	
Outer diameter x tire width	9 inches wide and 65mm thick
type	solid tyre
material quality	Tread material PU
quantity	2 PCs
performance index	
maximum speed	≤6km/h
Level road braking performance	≤1.0m
Maximum safe slope braking performance	≤1.5m(3°)
Stability at the post	≥6°
Static stability	≥6°
dynamic stability	≥3°
Obstacle height	≤25mm
Gully width	100mm
climbing capacity	≤8°
least radius of gyration	≤900mm
Theoretical driving distance	25km
service environment	
temperature ：	-10℃-45℃
atmos ：	86.0kPa~106.0kPa
humidity ：	60%±35%
Use of power supply:	AC 220V, 50Hz
cell voltage ：	DC 24V;
power of motor ：	200 W*2;
Driving conditions:	Do not drive on the motorway, do not cross obstacles more than 25mm high, do not cross ditches more than 100mm.

ELECTROMAGNETIC INTERFERENCE
Electromagnetic interference information

It is crucial to understand the impact of electromagnetic interference (EMI) on electric scooters.

1.electric scooters comply with the electromagnetic compatibility (EMC) requirements specified in YY0505 and GB/T18029.21 standards.

2.Users should install and use the scooter in accordance with the EMC information provided in the accompanying documents.

3.Portable and mobile RF communication devices may affect the performance of electric scooters. Avoid strong electromagnetic interference during use, such as proximity to mobile phones, microwaves, etc.

4.For guidelines and the manufacturer's statements, please refer to the appendix.

1.Equipment or systems should not be used in close proximity to or stacked with other equipment. If close proximity or stacking is necessary, it should be observed and verified that they can operate normally in the configured setup. When the electric scooter is powered on, do not operate handheld transceivers, receivers, Citizen Band (CB) radios, or turn on personal communication devices such as mobile phones.

2.Although this electric scooter is designed with anti-interference capabilities, users must still follow the following rules to avoid proximity to radio wave emission sources, such as radio stations and television stations.

3.In the event of abnormal operation of the electric scooter, the power should be turned off immediately, and the manufacturer should be contacted.

4.Do not make any modifications to this electric scooter, including adding or removing accessories, as this may reduce its anti-interference capabilities.

5.Except for cables sold as spare parts for internal components of the equipment or system, using unauthorized accessories and cables may increase emissions or reduce the immunity of the equipment or system.

name	Cable length (m)	Whether to block it	Remarks
power line	1.4	deny	/
Adapter output line	1.1	deny	/
extension line	0.12	deny	/

SAFE USE GUIDE
Safe use guide

User

Ensure that metal objects are kept away from the positive and negative terminals of the battery to prevent short circuit and electric shock.

1. Read the instructions carefully, or receive training and professional guidance from a professional technician or nursing staff familiar with this product.
2. Before you start driving this electric scooter, you should understand and feel it first.
3. You should practice moving forward, backward, turning, obstacle crossing, braking and other operations with the help of nursing staff until you can perform these operations independently, skillfully and safely.
4. Do not attempt new moves if you cannot confirm safety.
5. Know where the electric scooter will be operating, check for hazards in the area, and know how to avoid them.

Caregivers

1.When pushing the electric scooter by hand, the power switch must be turned off first, and then the brake switches of the left and right motors should be opened to put the electric scooter in manual mode. At this time, the brakes on the motors will not function at all. ★

2. When pushing this electric scooter, the caregiver should hold the rear ends of the armrests on both sides, which provide safe and reliable force application points to prevent the scooter from tipping over during pushing.

3. You need to cooperate with the user. Before each action, you should inform the user of your intentions and explain the reasons, while also telling them what you expect them to do. This will prepare the user and reduce the risk of accidental injuries.

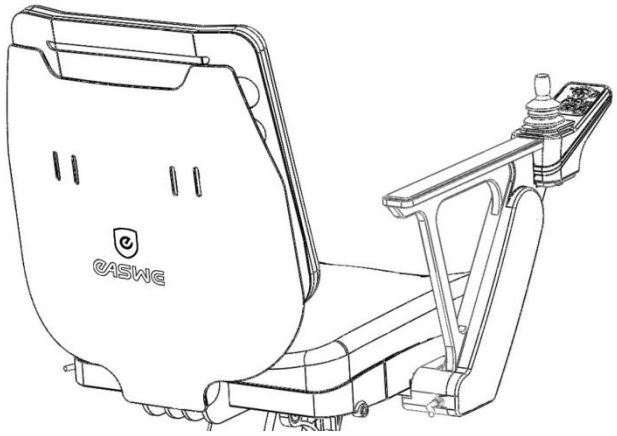
4. When helping the user navigate obstacles, to prevent back injuries, ensure the user maintains a correct posture in line with human kinetics. When lifting, supporting the user, or tilting the electric scooter, slightly bend your knees and keep your back vertical.

5. When preparing to tilt the electric scooter backward, remind the user to lean tightly against the backrest.

Controller precautions

Note that you may need to adjust the hand controller of your electric scooter (see figure) to reduce the risk of collision or fall.

1. Check and adjust the Settings every six months (check and adjust frequently if necessary)
2. If the control panel and joystick are found to be abnormal, contact the dealer.



Precautions for use of electric scooters when stationary

1. When the electric scooter stops, even for a short time, be sure to turn off the power (see figure). This prevents:
   - The electric scooter is accidentally moved by you or someone else touching the joystick.
   - The normal use of the electric scooter is affected by interference from an unexpected electromagnetic source.
2. Make sure that others, including those who help you, know how to operate the vehicle and prevent unwanted sudden movements of the electric scooter.

service environment

1. This electric scooter is not suitable for use or placement in heavy rain, snow or icy conditions. Contact with water or excessive moisture can cause electrical failure.

To prevent malfunctions of the electric scooter:

- Avoid placing or using this electric scooter in environments with direct water impact (such as heavy rain) or extreme humidity.
- Do not use this electric scooter during bathing, sauna, or swimming.
- Do not use this electric scooter near water sources (such as rivers, lakes, or oceans).
- If the joystick is damaged, replace the joystick device.
- Ensure all electrical connection joints are secure and free from looseness.
- Do not rinse this electric scooter with water. If the lithium battery is immersed in water, there is a risk of short-circuiting and fire; do not use it again. Contact the distributor or manufacturer to replace the battery. For other components of the scooter, confirm whether they can be reused after drying.

2. If you must operate the electric scooter on wet or slippery surfaces, exercise extreme caution and maintain a slow speed.

- If one or both main wheels lose traction, stop immediately to prevent the scooter from losing control or tipping over.Do not navigate slopes or ramps covered with snow, ice, water, or oil films.
- When in doubt about safety, seek assistance from others.

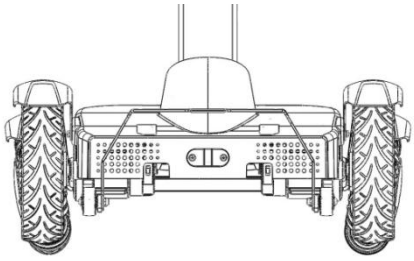
Suitable pavement

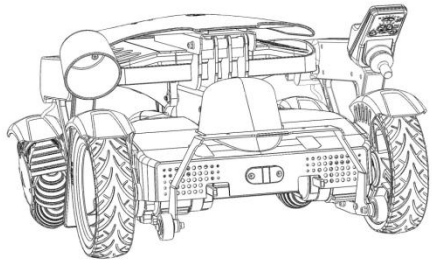
1. This electric scooter is only suitable for road surface driving on concrete, asphalt and indoor floor surfaces.
2. Do not use on sandy, loose soil or rough terrain to prevent damage to wheels, bearings, shafts or motors and other parts, as well as possible loosening of fasteners.

Road driving

In most countries and regions, it is illegal for motorized scooters to travel on motor vehicle lanes. It must be realized that electric scooters are dangerous to travel on roads or parking lots.

1. In order to be easily identified when used at night, users can also wear reflective clothing.
2. When passing another vehicle, make sure the driver of that vehicle notices you. Make sure it's safe before you continue to operate.





Safety tips for motor vehicles

1. Try not to drive an electric scooter on public transportation, such as buses, subways, trains, planes and ships.
2. If you must drive an electric scooter to take a vehicle, you should be accompanied by someone, find a reliable place to park, fasten your seat belt and turn off the power supply of the electric scooter.
3. If the user drives the electric scooter alone, he/she should try to find a place where the wheels or body of the electric scooter can be fixed, so as not to cause injury in case of sudden braking or traffic accident.
4. Do not place the electric scooter in the front seat of the vehicle to avoid interfering with the driver's driving.
5. When getting on and off the scooter, if you need to lift the user together with the electric scooter, please hold the edge of the seat cushion frame, do not hold the handrail or backrest frame.

Keep the balance

When in use, the electric scooter should maintain the balance and stability of the center of gravity to avoid tipping over during forward and backward movement. The balance of the center of gravity is affected by the following factors:

1. Seat height and seat Angle.
2. Changes in the user's body position, posture or weight distribution.
3. The slope of the ramp or slope.
4. Whether the use of backpacks or other items changes the load bearing capacity and weight distribution of the electric scooter.

If you need to modify or adjust this electric scooter, please consult your dealer in advance. Any modifications must be authorized in writing by the manufacturer. The modified electric scooter may require additional adjustments to correct its center of gravity. When using the modified electric scooter, exercise extra caution until you are familiar with its balance and have learned how to avoid falling or tipping over.

Precautions for upper/lower electric scooters

1. When you are ready to sit in the electric scooter, please be sure to turn off the power first. Otherwise, if you touch the joystick, it may cause the electric scooter to move in an undesirable way.
2. Learn from your professional healthcare provider about the safest ways to move your body. Learn how to position your body and how to support yourself as you move.
3. Ask for help until you are sure you can safely get on and off the electric scooter by yourself.

The correct way to use an upper/lower electric scooter

1. Control your electric scooter as close as possible to where you want to sit. Use a transfer board if possible.
2. Keep the vehicle as far forward as possible.

· Do not move your body on the pedal, which can cause you harm.

· Make sure your feet are not caught or caught in the gaps between the pedals.

· Ensure that there is no obstruction or interference from the armrest (as shown).

· You should move to the seat as soon as possible, which will reduce your risk of falling out of the seat.

Please note that when you move your body on your own, you must have a support point that is not lower than the seat cushion surface of the electric scooter you are sitting in.

Notes on reaching, leaning and extending the body

Reaching, leaning and extending the body can affect the balance of the electric scooter. If not done correctly, you may fall or fall over. Here are some tips to reduce the risk of injury and damage to the electric scooter:

1. If you must change your center of gravity, including lifting your body sideways or leaving the seat, do not tilt your body out of the seat cushion range of the electric scooter.

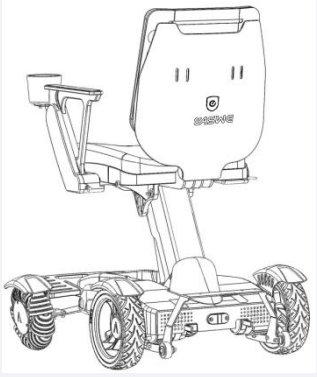
2. If you must move forward in your seat, do not lean too far (see Figure B5) and keep the backrest in contact with your buttocks at all times.

3. Do not use both hands to reach for distant objects to prevent falling over and losing balance.

4. Under no circumstances should you try to pick up items between your knees or in front of your body (see Figure B5).

5. Do not apply pressure on the pedal when the body is extended to prevent serious injuries caused by the electric scooter falling over.

6. Do not lean on the top of the backrest to prevent falling and damage to the backrest.



B5

★ Remember: Move your electric scooter as close as possible to the item you want to reach.

★ pay attention to ：

1. If, while performing this operation, you move your electric scooter beyond the target you thought you would reach, move it back towards it.
2. When you arrive at the desired location, turn off the power of the electric scooter. If the electric scooter is tilted, hold on to the handrail with one hand to prevent falling.

Precautions for dressing in an electric scooter

When you are sitting in the electric scooter to dress, your body will turn, in order to make the electric scooter more stable, the vehicle should be turned off and at rest

Overcoming obstacles

You may need to overcome some obstacles in your daily use, including thresholds, elevators, ramps, potholes and broken roads. Incorrect operation can damage your electric scooter and may also cause personal injury.

1. Note that the hold is very dangerous. Even a small height c hange may jam the casters, causing the electric scooter to tilt or tip over..Therefore, it is recommended that you:
   · Remove the threshold of the room or cover it so
   that the slope is excessive.
   · Install a ramped entrance door.
2. When you move the electric scooter, please carefully check the area to be passed to ensure that the place where you use this electric scooter can smoothly and safely cross the obstacle.
3. You can adjust your center of gravity in the following ways:
   · Slightly lean your upper body forward as you approach an obstacle or pass a section from low to high. · Lean your upper body back as you pass a section from high to low.

Go backwards

Be especially careful when driving your electric scooter backwards. If the rear wheels hit an object, you may lose control of your electric scooter and fall over.
Slow down when reversing.
2. Stop checking from time to time to make sure there are no safety hazards on the road you're about to cross.

Driving on a slope/hillside

When on a slope, the balance center of gravity of your electric scooter will change. Note that when you are not sure about the safety of using this electric scooter on a slope, please use it with the help of others and never use it alone.
Things to note:

1. For your safety, please do not use this electric scooter on a slope with a slope greater than 8°.
2. Do not use this electric scooter on slippery slopes (e.g., snow, ice, water, or oil film).
3. Do not use this electric scooter when the road surface on the slope has ups and downs (uneven, bulging, sunken).
4. Do not use this electric scooter if there is a small pit at the bottom of the ramp.

weight restrictions

1. The maximum load of this electric scooter is 120kg（≈265lb）, and the load in use should not exceed the maximum load.
2. The rear backrest should not be pressed or lifted if the load is less than 75kg (≈165.4lb).
3. Under no circumstances should weight training be performed on the electric scooter in this paragraph, even if the total weight of the user plus the weight lifted does not exceed the maximum load capacity of the electric scooter.
4. Using the load that exceeds the maximum load may damage the seat, frame, fasteners, folding mechanism, etc. It may seriously injure the user or others, and may also cause the electric scooter to be damaged or scrapped.
5. No warranty is provided for problems caused by the use of the load exceeding the maximum load.

Precautions for going up and down stairs

This electric scooter is not used for going up and down stairs or using escalators.

1. Always pay attention to the following warnings when using the elevator:

- Do not use the escalator (staircase elevator) between floors to move the electric scooter to avoid serious personal injury.
- You can use the elevator with up and down movement when you are sitting in the electric scooter. Please control the electric scooter after the elevator door opens, and ensure that the elevator door remains open during the entry and exit of the electric scooter.
- When the lift is not available, the electric scooter will be transported to the required place. If you need to unfold the electric scooter, please refer to the "electric scooter Unfolding Method" section for instructions.

2. When moving an electric scooter between floors by stairs, follow the following specifications:

- Remove the user from the electric scooter.
- When folding the electric scooter, turn off the controller and remove the seat cushion.
- When moving an electric scooter up and down stairs, be careful to avoid collisions.

INSTALLATION GUIDE
Installation instructions

Seat belt installation

The seat belt plays a role of restraining displacement and cushioning, preventing the user from sliding down the seat. During use, the seat belt can be adjusted appropriately according to the user's comfort, and in an accident, it will firmly hold the user on the seat to prevent secondary collision and personal injury.

1. Install the seat belt:

Ensure that the seat belt has secured the hip joint to the scooter cushion when using it.

2. Adjust the seat belt according to the user's comfort:

After sitting down, insert the metal plate of the male end of the safety belt into the female end until you hear a click;

Adjust the seat belt to the appropriate length and do not tighten it too tight to cause discomfort.

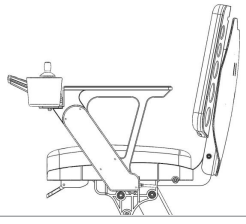
3. Unfasten the seat belt:

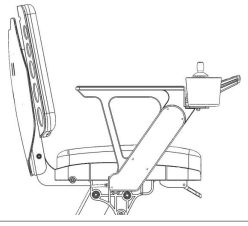
Unlock by pressing the red "PRESS" button at the mother end of the seat belt.

Before each use, make sure the seat belt is properly and properly attached to the electric scooter and adjusted to the most comfortable state for the user. Check if the seat belt is loose or damaged. If you find any problems, contact the dealer for maintenance and repair.

Installation instructions for the upper controller

Depending on the user's needs, the upper controller can be installed on the left or right armrest.

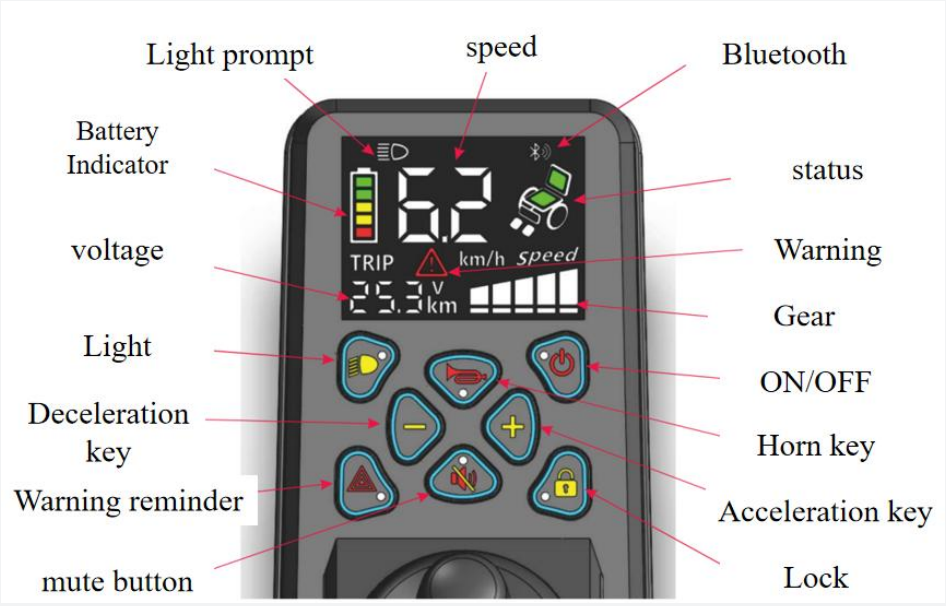




MANIPULATION GUIDANCE
Control guidance

Control panel —— LCD controller 1

The control panel controls the movement of the electric scooter. It consists of the following parts:



The controller panel consists of a button operation area and a window display area

1. On/off button: short press to switch on and off once,
2. Horn button: the sound of the controller buzzer;
3. Speed gear +/-button: Press the speed gear +/-button to adjust the speed gear, and the speed gear is displayed as 1-5 gears
4. Locking function button: Locking function: After enabling the operation lever, the car cannot run:
5. Silent function button: when enabled, there is no button and reverse sound (when there is a horn button, there is a sound);
6. Warning function button: After enabling, the controller opens the flashing function and has a prompt sound,
7. Switch light button: short press to turn on/off the lighting;
8. Single trip and battery voltage indication area: display the total mileage of the controller since this time is opened, and alternate display of battery voltage;
9. Battery indicator area: The battery symbol shows the current power usage of the vehicle;
10. Lighting lamp display: Short press the "light" button to open/close the vehicle lighting lamp, and the window displays the lighting lamp symbol;
11. Two digital displays: display the current speed when the vehicle is running, display alarm information symbol when the vehicle is faulty, and display the driving parameter value when debugging the vehicle;

Special note: In order to improve the quality of the product, we may change part of the structure and appearance of the product without informing you, so please understand the actual purchase of the product.

MANIPULATION GUIDANCE
Control guidance

Control panel —— LCD controller 2

The control panel controls the movement of the electric scooter. It consists of the following parts:

The main components of the key panel are keys and indicator light window

Battery display window: the current battery percentage; fault alarm information (the number of flashes after startup).

Power switch button: short press, switch on and off once.

Speed gear indicator: the current speed gear value, press the speed "+" -button, the speed gear changes (1-5).

Speed plus and minus button: press once, speed gear plus and minus change once.

Speaker button: Press the button, the controller speaker sounds.

Multi-function selection button: This button is valid if the controller has additional functions, such as an external lighting lamp

special explanation ：

In order to improve the quality of the product, we may change part of the structure and appearance of the product without informing you. Please understand that the actual purchase product is subject to the actual purchase.

Use the joystick to drive the electric scooter

1. Do not make sharp turns at high speeds.
2. Failure to comply with the warning may cause the electric scooter to tilt and may cause injury to the user or damage to the product.
3. The joystick is located at the back of the control panel, which can smoothly control the speed and direction. It has 360° all-round movement performance and is easy to operate. The joystick is equipped with a spring, which can automatically return to the initial middle state.
4. Push the joystick in the direction you want to go. The joystick has proportional control drive, and the greater the push, the faster the speed. The maximum speed is limited to 6 km/h.
5. If you want to slow down the electric scooter, just reduce the amount of forward push on the joystick. The electric scooter will automatically slow down and correct the direction in the smallest range.

When you first learn to operate this electric scooter, start with a slower speed and gently tilt the joystick slightly forward. This practice will help you learn how to control the electric scooter, gradually understand and become familiar with the control techniques, and smoothly master the methods of starting and stopping the electric scooter.

To drive a powered scooter, please follow these instructions:

1. Adjust the control panel to the appropriate setting.
2. Turn on the power. Refer to the previous section "Power On/Off button" for instructions.
3. Move the joystick in the following manner:

Movement	Move the joystick
Forward	Pull the lever forward
Towards the back	Pull the lever back
Towards the left	Push the lever to the left
Towards the right	Push the lever to the right
Cease	Release the joystick (the electric scooter will slow down until it stops)

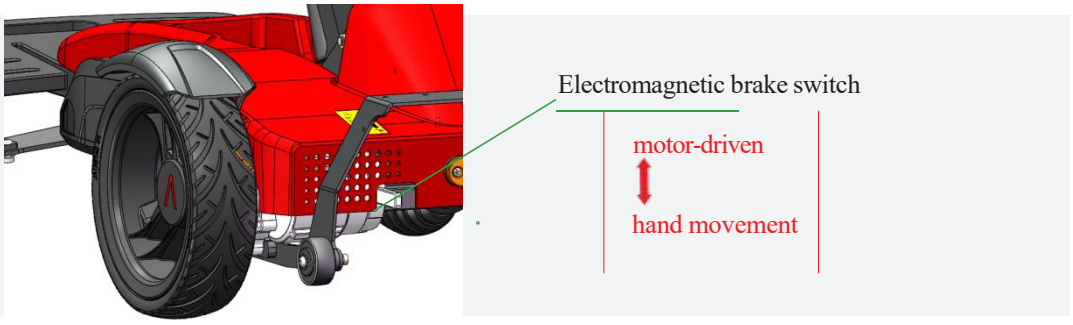
Use of horns

Press the horn button located on the control panel and use the horn when passing through the crowd.

BRAKING INSTRUCTIONS
Braking instructions

Do not open or close the electromagnetic brake when the power is not turned off.

After the power is turned off, the electromagnetic brake can be controlled by operating the handle. Pushing forward switches to electric mode (where the electromagnetic brake activates, preventing the wheels from rolling freely), while pushing back switches to manual mode (where the electromagnetic brake is released, allowing the wheels to roll freely) (as shown in the figure). Once in manual mode, the electric scooter can be easily pushed by the caregiver.



BATTERY INSTRUCTIONS
Battery usage instructions

Use of batteries

When replacing the battery, please purchase the original factory battery. Using the original factory battery may bring unpredictable risks (such as spontaneous combustion fire, damage to the controller, damage to the motor and other risks)

The positive and negative poles of the battery should not be connected with conductive objects such as metal, which may cause short circuit or electric shock.

Keep away from flammable materials. Keep away from heat sources or exposure to heat sources such as open flames or sparks. Do not transport batteries together with flammable or combustible items.

Corrosive chemicals are contained in the battery. Do not dismantle the battery without permission.

Do not short circuit the battery or put the battery in fire to avoid explosion.

Battery installation/removal

Remove the battery:

Insert the key, unlock the battery compartment, and remove the battery.

Installation of batteries:

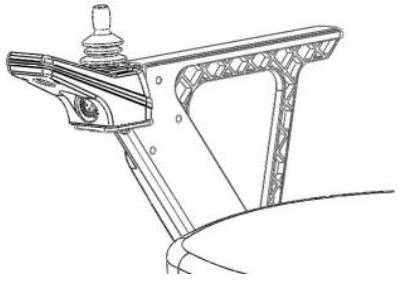
Install the battery in the correct position and lock it.

Make sure the power to the electric scooter is off before performing this operation.

Battery charging

It can be charged with standard alternating current (AC 220 V, 50 Hz). Before charging, make sure the power supply of the electric scooter is turned off.

1. Insert the charging plug of the charger into the charging port at the front and lower part of the control panel (as shown in Figure D3), and then insert the charging plug of the charger into the power supply.
2. The red indicator light indicates that the battery is being charged. When the charger indicator light changes from red to green, keep charging for 30 minutes to ensure that the battery is fully charged.
3. After charging, disconnect the power supply of the charger first, and then unplug the charging plug of the charger.
4. Please charge in the appropriate ambient temperature for charging (-10°C ~ 45°C).



Charging precautions

1. When charging the electric scooter, it is best to charge the battery through the controller on the electric scooter, or do not remove the battery from the electric scooter and directly charge the battery. When the battery must be removed for charging, the battery should be fully charged before being inserted into the electric scooter for use.
2. Do not attempt to charge the battery directly by connecting the battery terminal contact with a battery clip or metal cable.
3. Do not use an electric scooter while the battery is being charged. Do not use non-standard power sources (such as generators or inverters), even if their voltage and frequency appear to meet the requirements. ★
4. Prevent power cords from being stepped on, squeezed or severely bent, especially at ports. Prevent power cords from being pulled or knotted. ★

Keep children and pets away from power cords and do not let them chew or chew on power cords. When unplugging power cords, hold the plug and pull it out.

6. If the circuit breaker (circuit fuse) trips several times during charging, please unplug the charger immediately and contact the dealer or professional technical personnel.
7. The original charger must be used when charging, and other charging equipment is prohibited.

1. Warning: When the red charge indicator light is on, please stop driving and immediately charge or replace the full battery.
2. Warning: When the plug of the controller is detached during charging, please disconnect the power supply of the charger immediately. At the same time, do not touch the plug of the charger, and do not install batteries or make any modifications.
3. Charging should be carried out in a place that complies with fire regulations, and the charging process should be supervised by someone.
4. The battery warranty and performance indicators referred to in this guide are for lithium-ion batteries.

1. Before the first use, keep charging the battery, which will reduce the service life of the battery (the first time you should use all the electricity in the battery before starting to charge, so as to fully activate the battery). ★

2. After the initial use of the new battery, it must be fully charged for the first time to ensure that the battery is fully activated.

3. The recommended charging time of each battery is about 4-8 hours until the red light on the charger turns green.

4. Frequently charge the battery. Whenever the electric scooter is in use, recharge it after each use until it is fully charged. If the electric scooter is not used for an extended period, charge it every two months, aiming to reach about 80% full. Prolonged lack of charging can damage the battery, rendering it unusable and potentially causing severe damage to the electric scooter. ★

5. If you use batteries with incorrect specifications, voltage and capacity, your electric scooter may be damaged and the performance and effect of the electric scooter cannot be achieved.

6. The battery can be used for 500 times and has a service life of 2-5 years. The battery needs to be replaced after damage.

Over discharge protection device

When the battery of the electric scooter is exhausted, the over-discharge protection device will protect the battery from excessive discharge. Users should pay attention that when the over-discharge protection device is activated, the maximum speed will be reduced, at this time, please charge the battery as soon as possible.

Overcurrent protection device

This electric scooter is also equipped with an overcurrent protection device. If the current supplied to the motor becomes too high, the electronic fuse will cut off the current. When a fault occurs while driving the electric scooter, the overcurrent protection device will activate, stopping the drive wheels from rotating. This process cuts off the current to prevent the motor from overheating and being damaged. The signal indicator on the control panel will display (refer to the "Fault and Troubleshooting" section for details).

Clean the battery socket

1. Check for corrosion at the positive and negative terminals of the battery.
2. Check that the battery and plastic battery case are assembled properly.
3. Use the battery cleaning tool to clean the battery socket.
4. Carefully clean all metal particles and dust.
5. Do not let the battery material come into contact with skin, clothing or other objects. It is an acidic substance that can cause harmful or destructive burns. If the material comes into contact with your skin, wash the affected area thoroughly with cold water immediately. If the condition is serious or if you have eye contact, seek medical attention immediately.

FOLDING AND UNFOLDING
Fold and unfold

How to fold an electric scooter

Step:

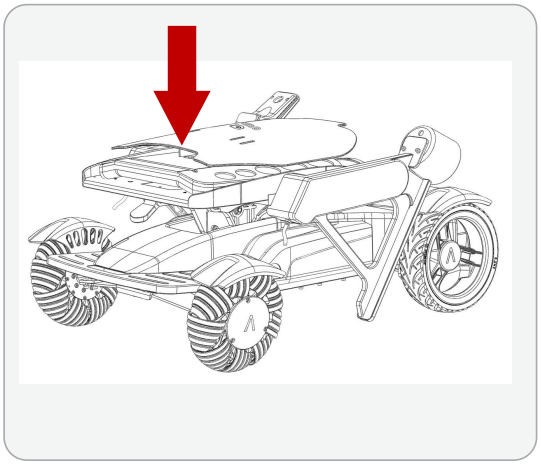
1. Pull the cushion up hard, the magic tape under the cushion is removed, and remove the cushion;

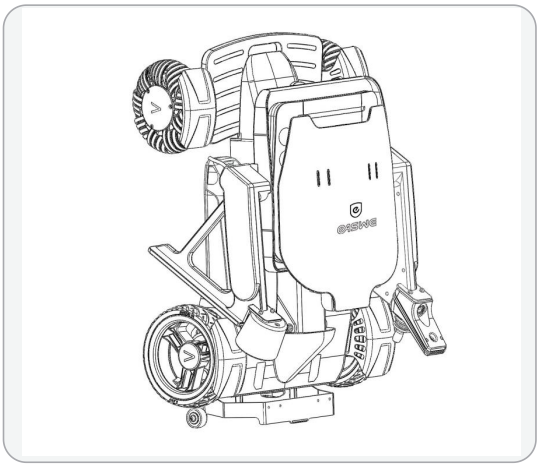
2. Pull the left and right armrests outwards and fold them back;

3. Fold the backrest forward to the seat cushion surface;

4. Hold the seat adjustment unlock button and press the back of the backrest hard with the other hand until it is lowered to the lowest point.

For details of this process, please refer to the following figure





How to unfold an electric scooter

Step:

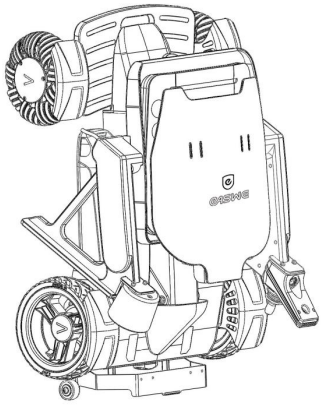
1. Lift the limiter under the seat cushion, and the vehicle will rise automatically;

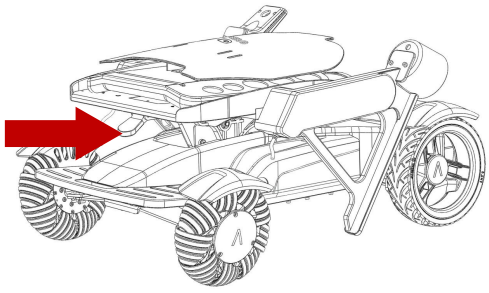
2. Select a suitable height position for yourself;

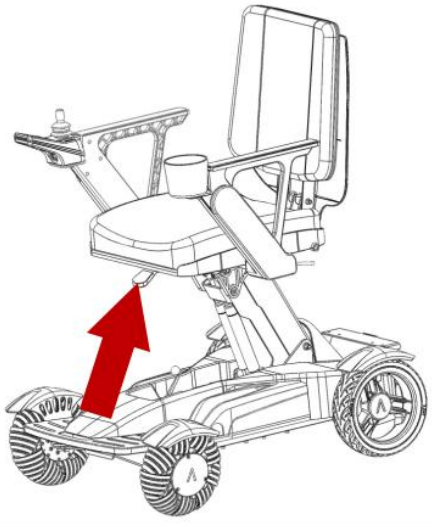
3. Correctly install the seat cushion;

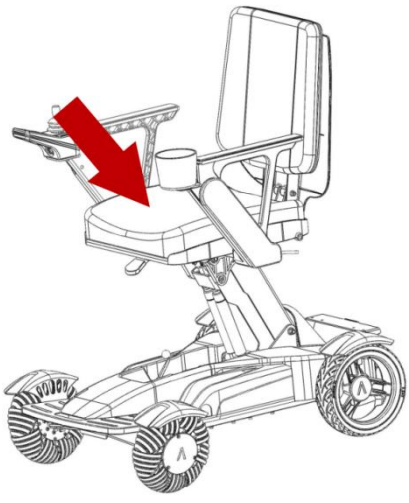
4. Adjust your posture and complete the vehicle deployment.

For details of this process, please refer to the following figure









FAULTS AND TROUBLESHOOTING METHODS
Fault and troubleshooting methods

There is an information diagnosis indicator light on the control panel. When the indicator light is displayed in green, it indicates that there is no fault in this electric scooter. When there is a fault, the corresponding indicator light will be flashing to indicate the fault.

If the indicator light indicates a fault, turn off the power switch button and then turn it on again. If the fault is not resolved after turning it on again and the indicator light repeats this error message, refer to the Fault Information Diagnostic Table for help in finding possible problems and corresponding solutions.

If the above methods still cannot help you troubleshoot, please contact the dealer.

When communicating with dealers, provide as much specific status and information about the fault as possible.

1. The following conditions are not covered by warranty:

A) The backrest cushion, seat cushion, foam handrail, foam backrest and decorative parts are damaged after use.

B) Damage caused by negligence, accident, misuse, improper installation and repair.

C) Problems caused by the modification of the product without the written consent of the Company.

D) Damage caused by carrying more than the maximum load.

2. If the serial number on the electric scooter is not the original serial number, has been modified, or is inconsistent with the serial number on the warranty card, or the serial number on the warranty card has been altered, the warranty will not be granted.

3. This warranty card is non-transferable and is for the use of the purchaser of the electric scooter only. As a manufacturer, our responsibility is to repair or replace damaged parts.

To the extent permitted by law, this warranty statement will supersede any other warranty (such as written or oral, express or implied warranties, including warranties of suitability or applicability for a particular purpose) and shall be based on this warranty statement.

direction for use

1. Transportation requirements: The battery should be packed into a box for transportation, and the violent vibration, impact or compression should be prevented during transportation, and the sun and rain should be prevented. It can be transported by automobile, train, ship, airplane and other means of transportation.

2. Storage requirements: The battery should be stored in a clean, dry and ventilated room with ambient temperature of-5℃~35℃ and relative humidity not greater than 75%. It should avoid contact with corrosive substances and be far away from fire source and heat source.

Scope of warranty

Warranty items	Free warranty period	Remarks
Main frame	Thirty-six months	Faults caused by improper use, vandalism or unauthorized modification are not covered by warranty or repair charges.
Power-generating	Twelve months	If the load exceeds the standard, the motor is overloaded or damaged by dismantling the motor without permission, no warranty.
Cell	Six months	Failure to charge, use or disassemble the battery in the correct manner will result in damage and is not covered by warranty. The company shall not be liable for any accident.
Front wheel	Six months	Faults caused by improper use, vandalism or unauthorized modification are not covered by warranty or repair charges.
Upper controller	Twelve months	Faults caused by improper use, vandalism or unauthorized modification are not covered by warranty or repair charges.
Lower controller	Twelve months	Faults caused by improper use, vandalism or unauthorized modification are not covered by warranty or repair charges.

BRAKING INSTRUCTIONS
Car accessories

Not covered by warranty

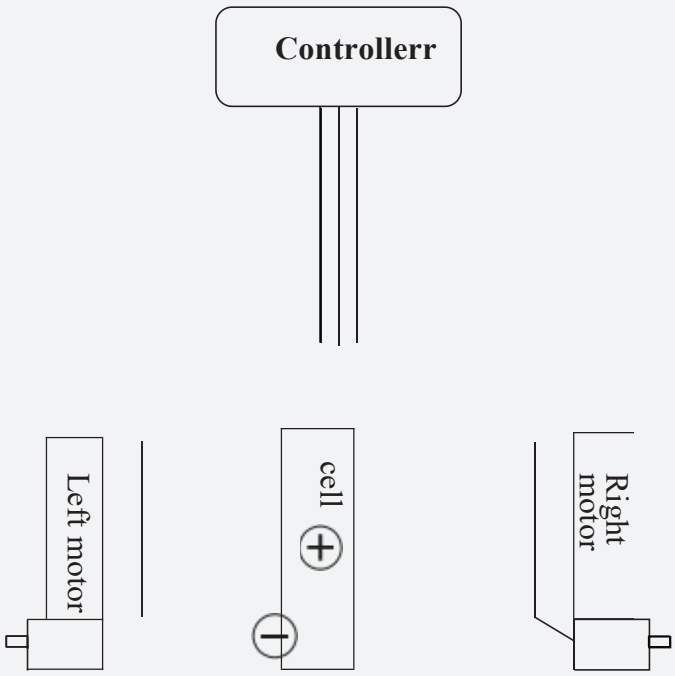
Name	Quantity	Remarks
charger	1	/
instructions	1	/
kit	/	apolegamy
life belt	/	apolegamy
certificate	1	/

Production date: see packaging material

Usage period: 5 years

ELECTRICAL WIRING DIAGRAM
Electrical wiring diagram

Electrical wiring diagram



ELECTROMAGNETIC COMPATIBILITY
Electromagnetic compatibility: Guidelines and manufacturer statements

Guidelines and manufacturer's statements-electromagnetic emissions		
The Easwe L10 electric scooter is expected to be used in the following specified electromagnetic environment, and the purchaser or user shall ensure that it is used in this electromagnetic environment:		
launching test	**compliance**	**Electromagnetic environment-Guide**
Radio frequency emission GB 4824	Group 1	The Easwe L10 electric scooter uses radio frequency energy only for its internal functions. Therefore, its radio frequency emission is very low and the possibility of interference to nearby electronic equipment is very small.
Radio frequency emission GB 4824	B class	The Easwe L10 electric scooters are suitable for use in most facilities, including home facilities and direct connection to the public low-voltage power supply network of the home.
harmonic emission GB 17625.1	A class	
Voltage fluctuation/flicker emission GB 17625.2	accord with	

Guidelines and manufacturer's statement-Electromagnetic Immunity

The Easwe L10 electric scooter is expected to be used in the following specified electromagnetic environment, and the purchaser or user shall ensure that it is used in this electromagnetic environment:

immunity test	IEC 60601 test level	Meets the level	Electromagnetic environment-Guide
electrostatic discharge GB/T 17626.2	± 6kV contact discharge ±8kV air discharge	± 6kV contact discharge ±8kV air discharge	The floor shall be wood, concrete or tile. If the floor is covered with composite materials, the relative humidity shall be at least 30%.
Group of fast transient pulses with electric energy GB/T 17626.4	±2kV, for power lines	±2kV, for power lines	The network power supply should have typical quality for use in commercial or hospital environments.
surge GB/T 17626.5	± 1 kV line to line ±2 kV line to ground	± 1 kV line to line	The network power supply should have typical quality for use in commercial or hospital environments.
Voltage drop, short interruption and voltage change on the power input line GB/T 17626.11	<5% UT, lasting 0.5 cycles (on UT,>95% temporary drop) 40% UT, lasting 5 cycles (60% temporary drop on UT) 70% UT, lasting 25 cycles (30% temporary drop on UT) <5% UT, lasting 5s (> 95% temporary drop on UT)	<5% UT lasts for 0.5 cycles (on UT,>95% temporary drop) 40% UT lasts for 5 cycles (60% temporary drop on UT) 70% UT, lasting 25 cycles (30% temporary drop on UT) <5% UT, lasting 5s (> 95% temporary drop on UT)	The network power supply should be typical of those used in commercial, industrial or hospital environments Quality. If Users of F1 electric scooters need to run continuously during power outages, It is recommended that F1 electric scooters be powered by uninterruptible power supply or battery.
Power frequency magnetic (50/60Hz) GB/T 17626.8	3A/m	3A/m	The power frequency magnetic field should have the characteristics of the power frequency magnetic field level in typical commercial or hospital environments.

Note: UT refers to the AC network voltage before the test voltage is applied.

Guidelines and manufacturer's statement-Electromagnetic Immunity

The Easwe L10 electric scooter is expected to be used in the following specified electromagnetic environment, and the purchaser or user shall ensure that it is used in this electromagnetic environment:

immunity test	IEC 60601 test level	Meets the level	Electromagnetic environment-Guide
Radio frequency conduction GB/T 17626.6	3 V (effective) 150 kHz ~ 80 MHz	3V (effective)	Portable and mobile radio frequency communication equipment should not be used closer to any part of the recommended isolation distance of the F1 electric scooter, including cables. This distance is calculated by a formula corresponding to the frequency of the transmitter. *The recommended isolation distance is d = 1.2 P* d = 1.2 P 80 MHz ~ 800 MHz D = 1.2 P 800 MHz~2.5 GHz where: P--The maximum rated output power of the transmitter provided by the transmitter manufacturer, in watts (W); D is the recommended isolation distance in meters (m) b. The field strength of a fixed radio frequency transmitter is determined by surveying the electromagnetic field c, and should be lower than the compliance level at each frequency range d. (2) Interference may occur near the equipment marked with the following symbols.
radio-frequency radiation GB/T 17626.3	3V/m 80 MHz ~ 2.5 GHz	3V/m	

Note 1: For frequencies of 80MHz and 800MHz, the formula for higher frequency bands is used.
Note 2: These guidelines may not be appropriate for all situations, as electromagnetic propagation is affected by absorption and reflection from buildings, objects and the human body.

A. Fixed transmitters, such as base stations for wireless (cellular/ringless) phones and ground mobile radio, amateur radio, AM and FM wireless broadcasting, and television broadcasting, whose field strength cannot be accurately predicted in theory. To evaluate the electromagnetic environment of fixed RF transmitters
When assessing the environment, consider the survey of electromagnetic fields. If the measured field strength at the location of the F1 electric scooter exceeds the applicable RF compliance level, observe the F1 electric scooter to ensure it operates normally. If any abnormal performance is observed, additional measures may be necessary, such as repositioning or adjusting the direction of the F1 electric scooter.
b. The field strength should be less than 3V/m in the entire frequency range of 150kHz~80MHz.

Recommended isolation distance between portable and mobile radio frequency communication equipment and DYN30AJBHD12 electric scooter

The Easwe L10 electric scooter is intended to be used in an electromagnetic environment where radio frequency radiation interference is controlled. Based on the maximum rated output power of the communication equipment, the purchaser or user can prevent electromagnetic interference by maintaining the minimum distance between the recommended portable and mobile radio frequency communication equipment (transmitter) and the Easwe L10 electric scooter.

The rated maximum output power of the transmitter is W	**Isolation distance /m corresponding to different frequencies of transmitter**		
	150kHz ~ 80MHz d = 1.2 P	*80MHz ~ 800MHz d = 1.2 P*	*800MHz ~ 2.5GHz d = 1.2 P*
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For the maximum rated output power of the transmitter not listed in the above table, the recommended isolation distance d is in meters (m) and can be determined by using the formula in the corresponding transmitter frequency column. Here P is the maximum rated output power of the transmitter provided by the transmitter manufacturer in watts (W).

Note 1: For frequencies of 80MHz and 800MHz, the formula for higher frequency bands is used.

Note 2: These guidelines may not be appropriate for all situations. Electromagnetic propagation is affected by absorption and reflection from buildings, objects and human bodies.

Quality assurance certificate

This warranty applies only to electric scooters and their purchasers who purchase them directly from the Company or its dealers; it does not apply to any other individual, group, including second-hand electric scooters, purchasers or owners.

This quality assurance certificate gives you the following rights under the following quality commitments:

1. The company promises that there is no defect in the material and process of the electric scooter frame, and provides a 3-year quality guarantee period. The time is calculated from the date of purchase, with the original sales invoice as proof;

2. The company promises that there is no defect in the materials and processes of all electronic and electrical parts (excluding batteries), motors and their gearboxes of electric scooters, and provides a one-year quality guarantee period. The time starts from the date of purchase and is based on the original sales invoice;

3. The company promises that there is no defect in the materials and process of the electric scooter battery, and provides a 6-month quality guarantee period. The time is calculated from the date of purchase, with the original sales invoice as proof;

If you need quality assurance services, please contact your dealer. If you do not receive satisfactory service from them, please contact us directly. The address is at the bottom of the next page. Please provide the following information when contacting us: dealer name, purchase date, defect content, product serial number, etc.

The following circumstances are not covered by the warranty:

1. The serial number of the product has been altered or damaged;

2. Accidents caused by personal negligence, or damage caused by improper operation, maintenance, storage, commercial or research purposes;

3. The product structure has not been changed without the written permission of the Company (including but not limited to: using parts or optional accessories not licensed by the Company);

4. Damage caused by not obtaining the permission of the company to repair parts;

5. Damage to the electric scooter caused by conditions not within the control of the Company (which will be independently assessed by the Company).

This warranty does not apply to damage caused by prolonged use or failure to follow instructions.

This quality assurance certificate is the only quality assurance certificate of our company, and the interpretation right belongs to our company.

Easwe L10 Electric scooter

Other language versions.

Video guidance.

Email: support@easwe.com