



USER MANUAL

MODEL: ION ULTRA

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Read Me First

Dear user,

Thanks for purchasing ION ULTRA electric scooter . This electric scooter is an environmentally-friendly high-tech product as well as an ideal means of transport that features excellent shock absorption , streamlined appearance , portability and flexibility , good riding comfortability , high safety and reliability. For better understanding of the characteristics , technical parameters , correct use and maintenance , precautions and safe-sale services of this scooter , see to it that you read this user manual carefully before using it.

- DO NOT use the scooter before learning about its performance.

DO NOT lend your scooter to anyone who cannot operate it , juveniles, pregnant women or the disabled.

DO NOT arbitrarily discard spent batteries to avoid pollution to the environment ; see to it that they are handled by your distributor or service provider.

For safety reasons , DO NOT cover the charger and keep it well ventilated during charging.

When replacing a failed tire , note that the fasteners of the wheel are tightened in case of a secondary accident due to wheel looseness.

For safe use of this product , DO NOT arbitrarily disassemble or modify the circuit or parts of the scooter.

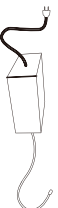
In case of any abnormality , power the scooter off to stop it in order to ensure your safety.

Images included in this user manual are intended for operation demonstration and may not be used for the basis of product inspection.

In the event that images included in this user manual might not be in conformity with the real product , the real product shall prevail.

Product performance and configuration that may be improved from time to time are subject to change without prior notice.

Check The Items



- Charger

USER'S MANUAL

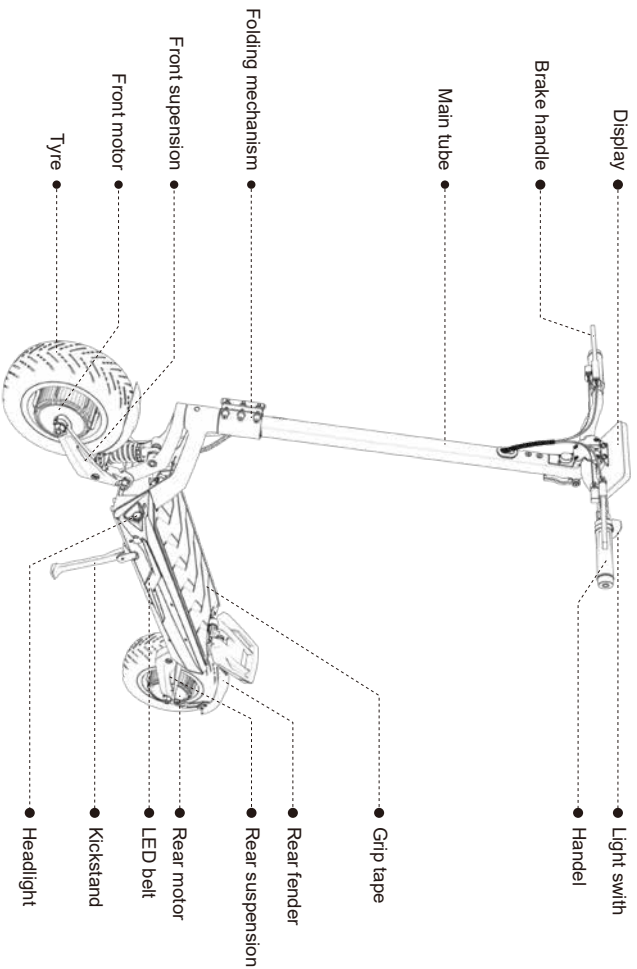
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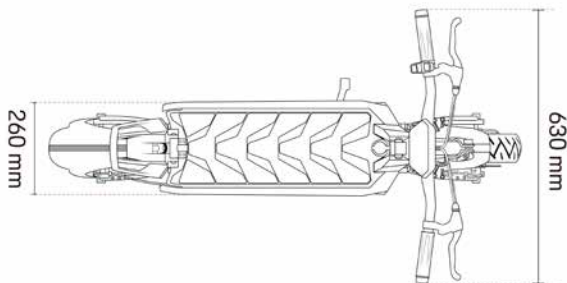
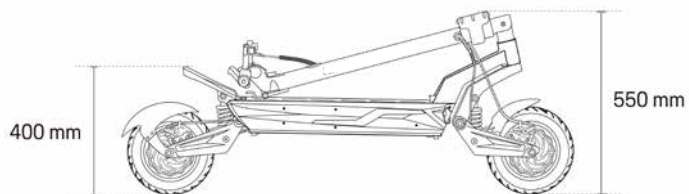
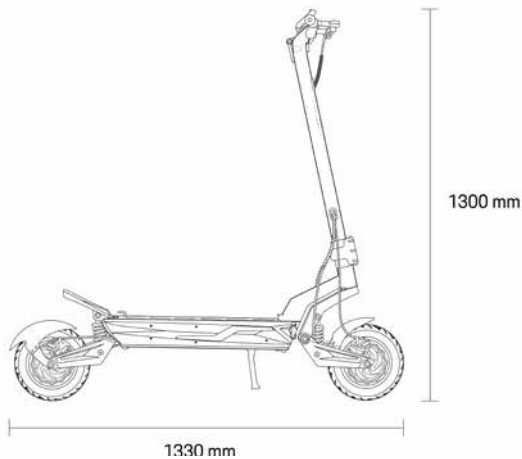
Allen Key

- Tool set

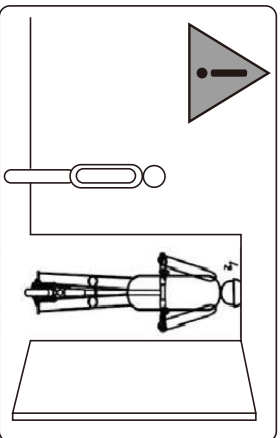
- ION ULTRA Electric scoote

Structural Diagram

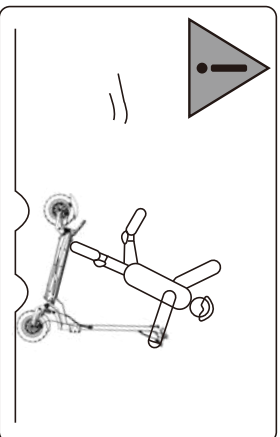




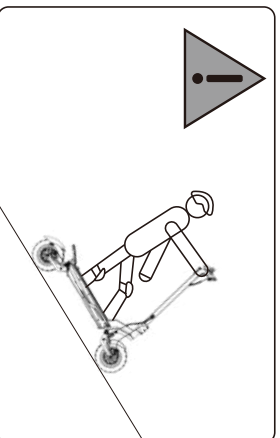
Improper Use Cases



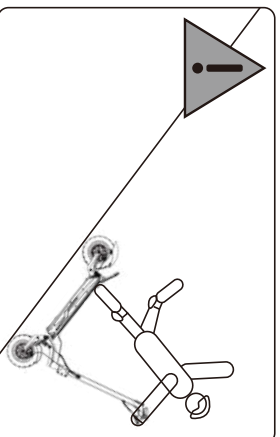
- Watch out for overhead obstacles , such as the door frame or the elevator.



- DO NOT pass irregular surfaces at a high speed

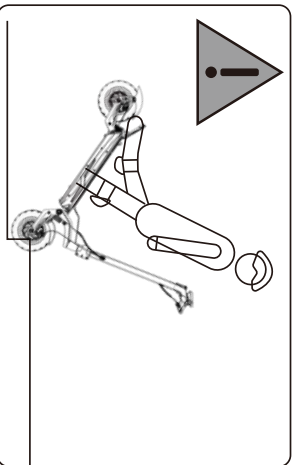


- DO NOT ride on slopes larger than 30 degrees for extended periods of time.

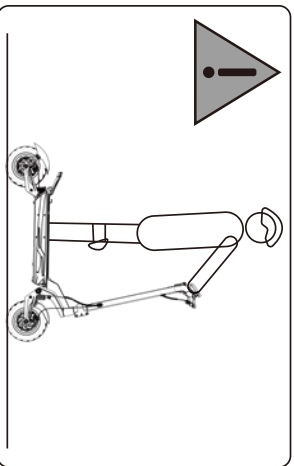


- DO NOT accelerate while riding downhill.
DO NOT use the front brake while riding at a high speed.

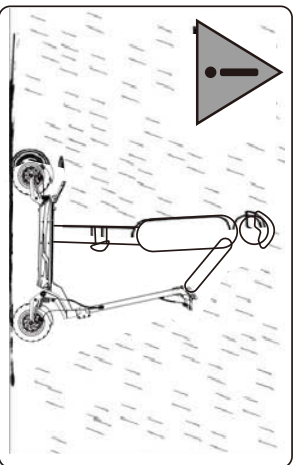
Improper Use Cases



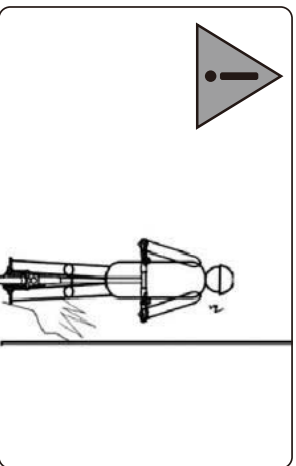
- DO NOT goup/down steps or cross obstacles with the scooter.



- DO NOT stand on the footboard after the scooter is powered off and stops.

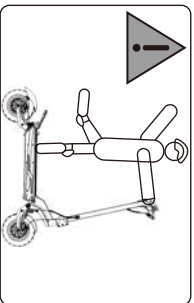


- DO NOT ride in the rain.

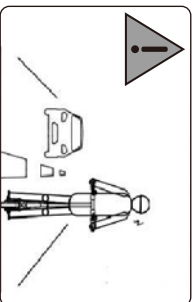


- Avoid obstacles while riding.

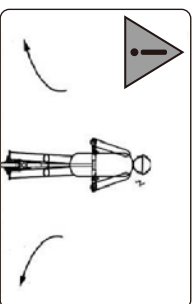
Improper Use Cases



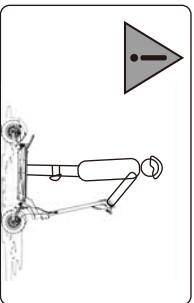
- DO NOT ride with a single hand or foot.



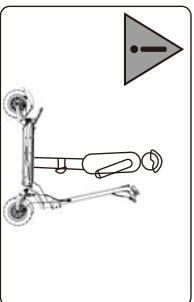
- DO NOT ride on motor way.



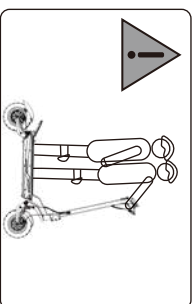
- DO NOT rotate the handle violently while riding at a high speed.



- DO NOT ride in water deeper than 2 cm.

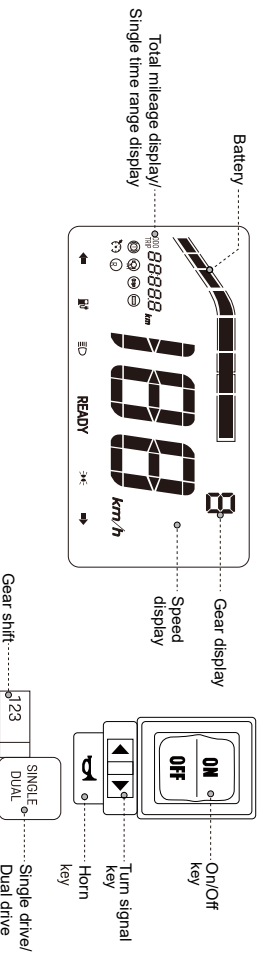


- DO NOT ride with both hands leaving the handle.



- DO NOT carry passenger(s).

Dashboard Instructions



Battery level indication

There is a five-bar battery level indication in the dashboard. Battery level will be indicated by the five bars that are on/off from left to right, respectively. Five bars means battery level lies between 100%-85%, four bars means battery level lies between 85%-70%, and forth. The bars are off one by one as battery is consumed. When there is only one bar left, it means the battery is exhausting. When the battery completely runs out, all five bars will be off and scooter will naturally stop after freewheeling for a certain distance.

Gear indication

A three-gear indicator is provided in the dashboard. Shift gear using the up key/down key buttons. Three gear indicates the fastest speed and first gear means slowest speed.

Power switch

Short press power button to power the scooter on if the scooter is in the power-off mode, press power button for over 2s to power it off.

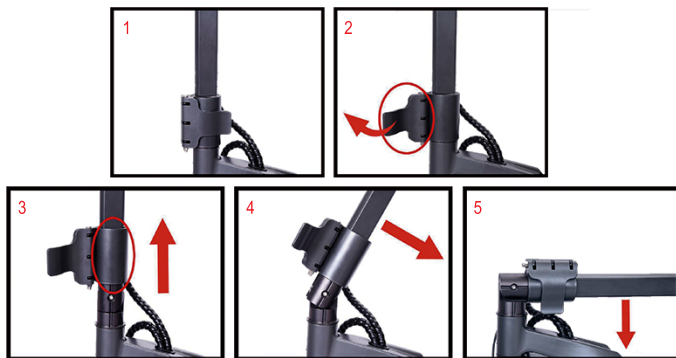
Use the password lock to open the deck,
And the default password is 000



The scooter deck after opening



How to Fold



Stem and deck can be fixed with the lock





1. To prevent injury, wear safety gear such as comfortable shoes, a helmet, and knee / elbow padding.
2. The scooter is not waterproof. Never use it in the rain or snow. Do not use it if the road is wet or icy. Water damage is not covered by warranty.
3. Changing the dashboard settings may result in malfunction. If you need to change the settings, please ask for help from an expert or authorized dealer.
4. When turning left and right, make sure that there are no obstacles and then turn slowly, keeping a wide turning radius.
5. Before riding at night, check the position of the headlights and state of the taillights by depressing the brake lever.
6. An operating age of 18 years old and over is strongly recommended.

How to Charge



1. Always plug the charger into a household outlet before connecting to the scooter, to safely start charging. Sparks may occur due to the voltage difference when attaching the connector to the charging port, but this is normal.
2. Open scooter charging port cover to connect the charger to the scooter.
3. Charging status indicator.
Red: Charging **Green:** Fully charged
4. If the charging indicator is green, the scooter is fully charged and can be disconnected.
5. It doesn't matter which charging port you plug the charger into.

CAUTION:

1. We recommend that you always use the original charger. Performance and safety may be compromised when using a different charger.
2. Charger failure may cause a fire while charging.
3. Do not leave your scooter charging unattended.
4. After unplugging the charger, charging connectors may be hot.

⚠ WARNING			
 Charging Port Convex Groove	 Plug Groove		• Please watch the convex groove in the charging port. • Connect with the plug in a correct way when charging. • Do not touch the charging port with mental to avoid short circuit. • To prevent water damage, please do not use the scooter on rainy days. • Keep the charging port dry.

1. Only use the original charger that was supplied with your product to charge the lithium-ion battery. The use of a third party charger could cause serious damage to the battery and can cause a fire.
2. To prevent overcharging, unplug the charger once the charger light indicates the battery is fully charged. Do not charge the scooter overnight. Instead, resume charging when you are available to unplug the charger once the battery is fully charged.
3. Do not leave the lithium-ion battery exposed to direct sunlight or high temperature. Do not store it in wet places. Always store it in dry places.
4. Charge lithium-ion batteries in dry, open, and well-ventilated places. Do not charge the battery near flammable goods.
5. If the battery protection circuit is damaged, the battery may emit an unusual smell. Contact your authorized service center immediately for technical support.
6. Do not reverse the polarity on a battery and short-circuit. Exposing the battery to excessive shock can result in an explosion of the battery.
7. Do not try stunts or jumps on the product on bumpy surfaces. Exposing a battery pack to excessive shock can result in a battery fire. If in an accident contact your service center to ensure that the battery is not compromised.
8. Connecting the charger when the product is waterlogged will run the risk of an electric shock and possible fire. Do not charge the battery and contact your service center.
9. Do not disassemble or incinerate the lithium-ion battery. To safely dispose of the lithium-ion battery, label it as industrial waste and be careful of a short-circuit occurring in terminals.
10. If the battery requires replacement after long-term use, always replace it with one that is purchased from an authorized dealer.
11. If a product with a lithium-ion battery overheats and there is smoke or ignition, you should stop charging or using it immediately. Move the product outdoors and use a fire extinguisher to diffuse it. Do not spray or immerse the product in water to diffuse the fire.

Assembly Handle Bar



- 1: Place the handle bar in the stem's handleset in a correct angle.
- 2: Attach the clamp to the handleset and place the screws to holes in a correct position.
- 3: Use a 4mm Allen key to tighten the four screws on the clamp.
- 4: Make sure the handle bar no loose.

Adjusting Brakes

Small adjustments can be made at the barrel adjuster on the brake lever, but all major adjustments should be made at the opposite end of the cable at the brake caliper.

With the barrel adjuster on the brake lever threaded almost all the way in, adjustments can then be made to the front or rear caliper. If your brakes are too loose, you will need to increase tension on the brake cable.

To do this, using a 5mm hex tool, loosen the screw holding down the cable near the caliper. While holding the cable, rotate the brake arm in the direction of the scooter until it can't go any further, making sure to keep tension on the brake cable. Once the arm stops rotating, rotate in the opposite direction a small amount and tighten down the screw.

If your brakes are too tight, check that nothing is interfering with the brake cable between the handlebars and the caliper. Follow the directions listed above, only remove tension on the brake cable instead of introducing it.

Hydraulic brake systems require less maintenance, but do need to be bled from time to time in order to stay at peak performance levels. Bleeding the system involves removing any built up air in the hoses and topping off the hydraulic fluid and requires a hydraulic brake bleeding kit.

If you are not comfortable doing this yourself, reach out to your dealer for further directions.

Legal Statement

As you have been acquainted with this scooter with more riding skills, please:

- Read this user manual carefully before using it for practice.
- Those who haven't read this user manual carefully in advance are not allowed to use this scooter.
- Install all the parts of this scooter properly following this user manual, otherwise improper installation may lead to control failure, collision or crash. Turn the power off before installation, repair or maintenance. Install the parts appropriately, neither too loose nor too tight, otherwise it might cause damage or failure.
- DO NOT charge when the slot/socket is wet. Charge the scooter with correct power supply 200-240V/50-60Hz). While charging, keep children, pet or inflammables away from the scooter.
- DO NOT place the battery unit in the environment where temperature is higher than 50 °C or lower than -10 °C.
- The scooter that has been fully charged may stand by for 90-120 days, whereas the one that is undercharged may stand by 30-60 days. Please notice the stand-by time of your scooter in case of unrecoverable damages to the battery unit due to untimely charging.
- It is prohibited that you practice outdoor until you have been sufficiently familiar with the operation methods of the scooter. The more times you practice, the safer you can ride in new circumstances. Please note the essentials of practice: what you need first is primary practice in an obstacle-free area (>10mx10m) to practice riding forward, making turns and stopping. Keep yourself relaxed while practicing. When you practice for the first time, it is recommended that you do this with the guidance of an experienced person or coach. Try to practice passing narrow areas, turning and stopping as your practice deepens. You are not allowed to ride on normal roads until you are able to control your scooter to pass a narrow area precisely and have simulated all types of terrains. You may have a different riding experience every time you have your electric scooter upgraded. Therefore, see to it that you practice in the same obstacle-free area as if you were a beginner for the first time you ride the scooter after upgrading.

- Check the scooter carefully to make sure there isn't any loose part or damage before riding it.
- Watch the crossing carefully before or during you ride your scooter or when you stop it to avoid any unnecessary damages to yourself, or objects, people or small animals around you.
- Maintain tire pressure at the level described in the parameters. Excessive tire pressure may increase the risk of control failure, collision or crash, whereas insufficient tire pressure may result in wheel damage.
- Check tire pressure at least twice a month and before you ride for a long distance, otherwise incorrect tire pressure can cause instability or wheel damage. even an accident.
- In the event that the tire works abnormally during riding, please stop and examine it in case of danger.
- Get on the scooter from either side and wear dedicated protective equipment.
- DO NOT ride in high-heeled shoes.
- DO NOT dip the battery and scooter frame into water, expose it to storms or ride in the rain for a long time. DO NOT clean the scooter with powerful water stream or a high-pressure water gun to avoid waterlog in the charging port. In the event that your scooter is exposed to storms for a long time, please stop using it immediately, wipe it with a piece of dry soft cloth, and contact after-sale service personnel. DO NOT do anything other than wiping the scooter in case of voided warranty due to any misconduct.
- Scooter's braking performance (including other vehicles on the same road) can significantly degrade along with tire friction in rainy days, which makes it more difficult to control and thus lead to control failure. To ensure safe riding during rainy days, please ride at a lower speed than usual and brake in advance.
- In the event of low battery, the scooter may not run at a high speed continuously as expected. You may charge it for better riding experience.

Legal Statement

- Note terrain changes while riding, such as road and grassplot.
- Be careful while turning! You may lose control at fast turning.
- DO NOT risk passing the abrupt slope, uneven surface or other unfamiliar terrains.
- DO NOT ride on the motor way or run a red light. Follow traffic rules and give way to pedestrians.
- Please respect the rights of the others who share the road or path with you, including motorcyclists, cyclists, pedestrians and other riders.
- Strengthen your awareness of self-protection while riding. Watch out for yourself, vehicles and pedestrians.
- Be ready to respond to the following situations while riding: a vehicle decelerates or makes a turn when it crosses the crossing in front of you or approaches from behind; a vehicle with door(s) left open; a pedestrian walks near from the sidewalk; there are children or a pet playing by the road; holes, manhole covers, rails, expansion joints, road/sidewalk construction, debris, and other obstacles; other situations that may disperse your attention. In those situations, the wheel can make involuntary turning or catch on something, or some other accident can occur.
- Please ride on the bikeway or at the edge of road along the direction of traffic flow or the direction specified by the regulations of local government.
- Stop the scooter slowly at the parking sign or by the traffic light and observe the conditions in the crossing. Bear in mind that you make a way for motor vehicles even though you are riding on the bikeway to avoid the risk of collision.
- It is absolutely prohibited that you are towed by another vehicle with hand(s) on the vehicle while riding.
- DO NOT stunt while riding

- DO NOT ride your scooter in any of the following situations: severe weather, poor visibility, at dawn, in the evening, in the dark, or exhaustion since an accident is more likely to occur in event of any of these situations.
- DO NOT ride your scooter to a remote area alone. Please inform others of your destination and expected time of arrival even if you ride to the remote area with someone else.
- As you are higher while standing and riding helmeted on the scooter, watch out while you are riding indoor, at the door or near any other place that is close to your head.
- DO NOT wear loose clothes while riding in case they are entangled into the wheel.
- It is recommended you wear goggles to keep your eyes away from contaminants, dust and insects. Please wear goggles with darker glasses in strong light and more transparent glasses in poor light.
- DO NOT carry a passenger while riding. This scooter is designed for a single rider. It is prohibited that it is ridden by two or by anyone carrying a baby.
- This scooter cannot be used as a medical equipment or an auxiliary medical means. As a result, it is required that you are physically qualified to operate this scooter alone without the assistance from anybody else.
- DO NOT use your scooter to go upstairs/downstairs, ride it into the elevator or cross the revolving door.
- DO NOT ride in poor visibility. Make sure you and others are mutually visible before riding.
- DO NOT ride on the highway unless it is allowed by local laws and regulations.
- DO NOT use your scooter as a cargo carrier.

Legal Statement

- When approaching or crossing an intersection, motor way, turning or passing by a door/sate please slow down and give way to the pedestrians, bicycles and motor vehicles.
- Similar to other means of transport, you need to stay vigilant while riding your scooter. DO NOT ride your scooter when you fall ill or cannot fully comply with the instructions specified in this user manual, or after you take medicine or drink alcohol.
- To avoid distraction while riding, DO NOT make phone calls or do anything that might distract you so that you are able to concentrate yourself on traffic.
- Age requirement: 18-50 years old. Tips for parents: as a parent or a guardian, you are responsible for your child's activities and safety. It is highly recommended that your child is kept away from the scooter.
- The scooter can tip to one side if you park it without using the stand.
- If you use your scooter in summer, keep your scooter in a safe place where temperature is not higher than 45 °C: DO NOT park your scooter outdoor in sunshine for a long time.
- If you use your scooter in winter, keep your scooter in a safe place where temperature is not lower than -10 °C: keep your scooter at room temperature for at least half an hour before charging it when ambient temperature is lower than 0 °C.
- In the event that the battery unit is damaged or hot, smells abnormally, or smokes, stop using immediately and keep it away from other objects.
- DO NOT open or disassemble the battery unit that contains harmful substance.

Legal Statement

- Any modification to this scooter may undermine your safety of riding. Any unauthorized modification to this scooter is prohibited.
- You are obliged to be informed of and observe the laws of the place where you are located.
- We do not warrant the safety if you use any non-original part or accessory for your scooter even if it has been approved by responsible governmental agencies, nor do our warranty services apply to this case. Please contact our after-sale service department for any problem, which is also the most guaranteed option you can resort to.
- Scooter data and parameters that vary in different models are subject to change without prior notice.
- We assume no responsibility for any claim, liability or loss incurred by or possibly incurred by consumer's violation of the clauses of the legal statement above. The rider by himself/herself shall undertake the responsibility for any unpredictable or inevitable risk during riding. You are free to continue to use our product if you accept the clauses set forth in our legal statement or return it if otherwise. Please make sure the product and its package are as intact as they don't impact resale before returning the product to us. In the event that you resell your scooter someday, bear in mind that a same copy of legal statement that is deemed as a legal part of this scooter is handed over to its new owner.

If you have any questions or difficulties, we are always at your service.

Product Specification

Product Name	ION ULTRA
Battery capacity	26Ah
Battery Type	Lithium-ion Battery
Removable battery pack	Available
Input voltage (V)	67.2V
Rated voltage (V)	60V
Approx Range	80KM
Foldable	YES
Number of charging ports:	2 on the battery pack
Charging time	8 hours
Working temperature	-10 C ~ 40 C
Storage temperature	-10 C ~ 40 C
Overall size (MM)	Length1300 mm ,Handle-bar width 630 mm, Height 1300 mm
Size after folding (MM)	Length1330 mm ,Pedal width 260 mm, Height 550 mm
Carton size (MM)	1450*380*650 mm
Max Rider Weight	330LBS(150KG)
Scooter net weight	94LBS(43KG)
User age	Over 18 years
Top speed (KM/H)	80Km/h
Riding Modes	Gear 1: Gear 2: Gear 3:
Grade Ability	40 degrees
Scooter Color	Silver Grey

Product Specification

Motor type	DC brushless motor
Motor rated power	1300W for each motor, Total motor rated power: 2600W
Peak Power Output	Peak 1900W for each motor, Total motor peak output: 3800W
Controller	40Amp * 2
Rated Voltage	60V
Charger Rated Power(W)	268W
Charger Input voltage (V)	100-240VAC
Charger output voltage (V)	67.2V
Charger Rated Current (V)	3.5A
Wheel & Tire	11 inch tubeless tyre, Tyre size: 100/65-6.5
Frame material	Aluminium alloy 6061
Key-lock ignition	Use a key to power on and off your scooter
Speed up	Thumb throttle
Lights	Head Lights & LED Taillight
Brake systems	Front and Rear HYdraulic Brake System
Single/dual motor drive modes	Single/dual motor button switch
Front Light	Available
Brake Light	Available
Damping Adjust	Available

Safety Driving Attention

Avoid putting body weight on the handle bars whilst accelerating and decelerating!

Keep one foot behind the other, (it's more comfortable to place one foot forward and the other one turned backwards at 70-90°, like on skate/surfboard. It will help you gain more stability

Turns - The turns on ION ULTRA are done as on skis/surf/snowboard. The handle-bar should be in parallel to the body.

Braking - Tilt your weight backwards so that the brake action will come through the feet and not through the handlebar and steering system. It is best to learn how to adjust the centre of gravity while stopping, otherwise there is a dual concern: forward tipping over and/or wear and breaking of the handlebar and steering system

Disclaimer:

- The customer understands the risk of serious injury or death in the operation of such products and shall agree to take the necessary precautions and exercise good judgment to avoid hazards and dangerous situations which may result in serious injury or death.
- The use of safety and protective gear such as bicycle helmets is strongly encouraged. And so is the use of good judgment.
- The customer is advised to take the following precautions:
 - a. Do not ride on wet ground or in heavy rain;
 - b. Take corners slowly and look out for pedestrians;
 - c. Avoid potholes, curbs, and debris on the ground;
 - d. Keep tires pumped to the specified pressure;
 - e. Dismount in places with heavy human traffic and push the scooter manually;
 - f. Service the product every 3 months of regular usage, 6 months for non-frequent usage;
 - g. Do not use the product on public roads and respect local road regulations.

Get to know your ION ULTRA before riding it.

Make your turns slowly and cautiously, and give yourself plenty of stopping distance. To gain control over your scooter, practice your first ride on your ION ULTRA in an open space with no obstacles.

The ION ULTRA requires a short adjustment/ break-in period to allow all moving parts to adjust into their correct position

Before each ride always:

1. Check your brakes function
2. Check the tyres for signs of wear

Make sure that the wheels are freely rotating clear of the brakes

3. Perform a visual inspection:

That all screws and nuts are tight

No evidence or signs of wear and tear

If you are unsure, bring your ION ULTRA to our authorized distributor

RIDING TECHNIQUE:

Before riding position your foot as close as possible to the front section of the scooter, and your other foot on the ground. Make sure that your driving route is clear

To start riding, Kickstart the scooter with your foot for a few metres before activating the motor



As you accelerate, lean forwards.
As you brake, tilt your weight backwards!



Riding, like most sports, involves risks of injury and damage. By choosing to ride ION ULTRA scooter the responsibility and all inherent risk is on you. It is crucial that you know, understand and act according to safety rules

SERIAL NUMBERS

SERIAL NUMBERS:

Each Scooter comes with a unique serial number.

These numbers provides information on the authenticity of the scooters and production dates.

To find your ION ULTRA serial number:

1. The number is on the backside of the board, for example as below:

Serial number: 03092210100861000



Warranty

2 year manufacturer's warranty on the frame and 1 year on all other parts.

Not covered under warranty.

Wear and tear, Tyres, lights, decrease battery capacity, water/flood damage, gears, brakes, paintwork, misuse or accidents, modifications, repairs and failure to service your e-scooter by qualified e-scooter mechanic every 6 months.

Warranty Card

Product Information	Item Name:	Model:	Serial Number:
User Info	Name:	Telephone:	Postcode:
	Address:		
Information of Distributer	Name:	Telephone:	
	Sale Date:	Sales Address:	

Maintenance Record	Submission Date	Maintenance Situation	Maintenance Results	Signature

