



Electric Scooter Z1 User Manual



Thank you for your choice, please read this manual before using this product.





Why Is It Necessary To Read This Manual Before Operating?

- 1.This manual is a general manual for the series of Z1 products.
- 2.This manual was written to help you understand the proper use and maintenance of the line of Electric Scooter.
- 3.It is important to understand the functions and features of the new before operating it as it will allow you to enjoy it from every ride.

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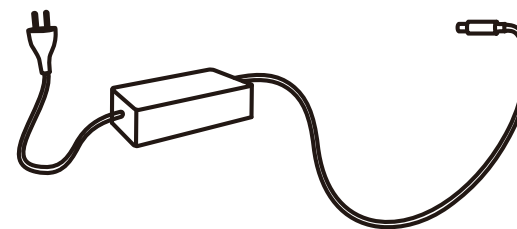
What's Included

Assembled Electric Scooter

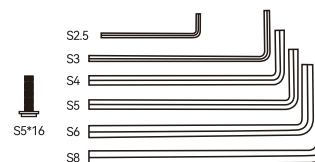
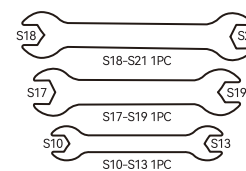


accessory :

Charger



Toolkit



User Manual



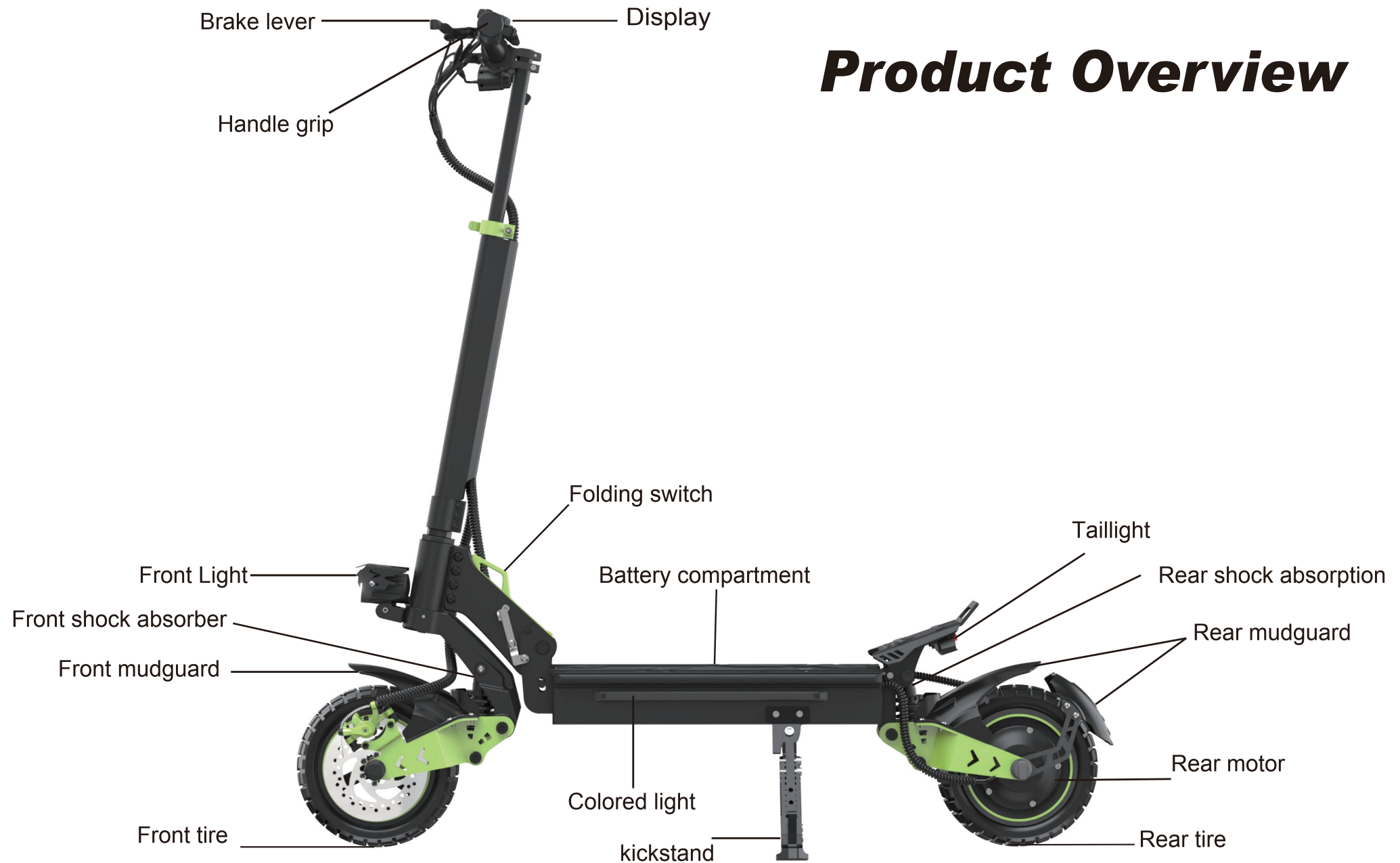
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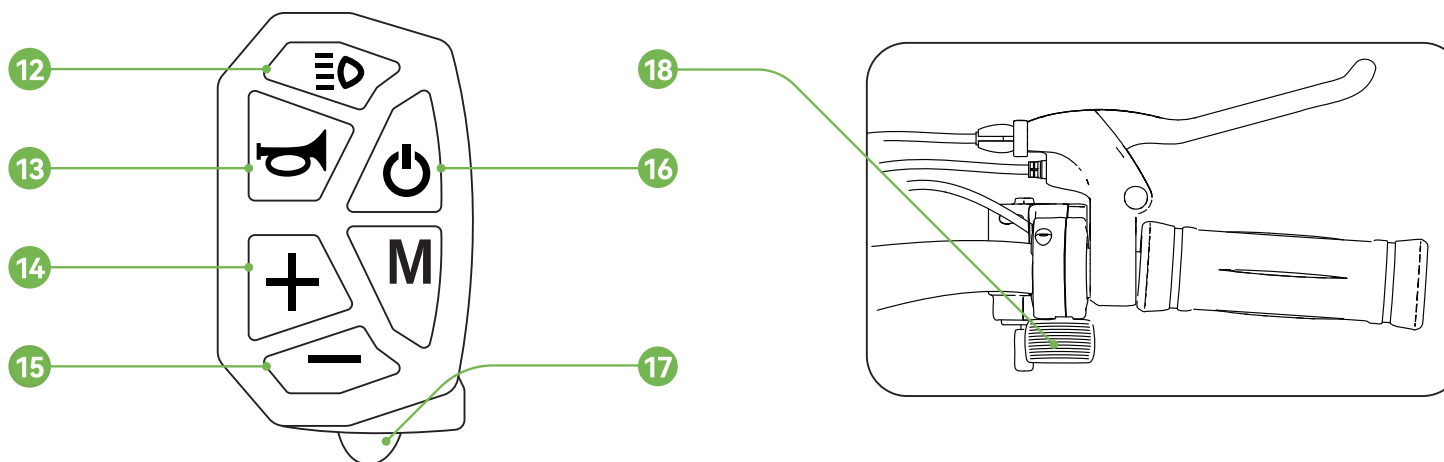
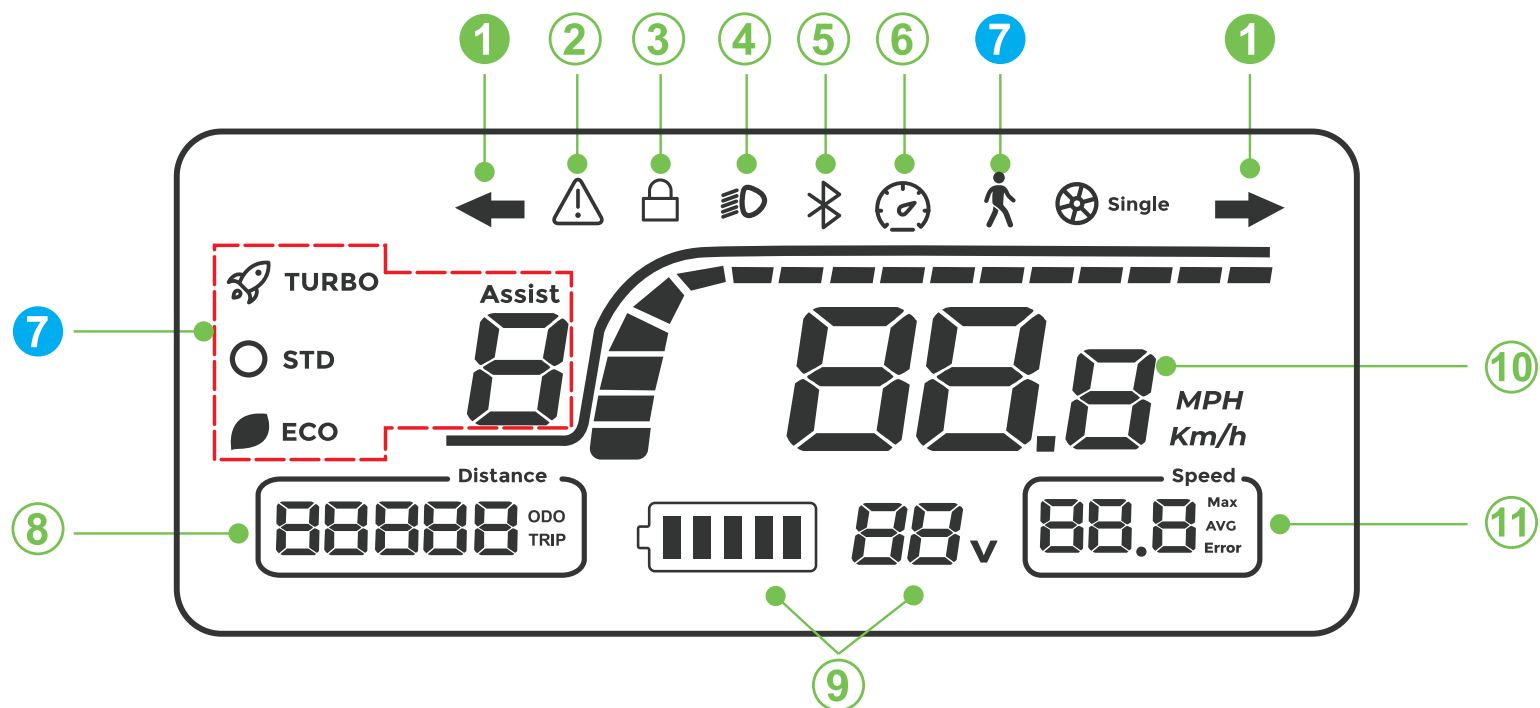
Product Overview



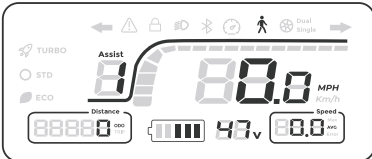
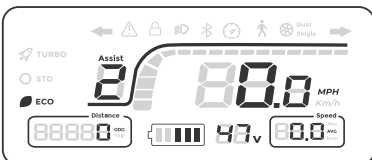
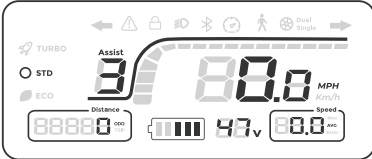
Control Panel



Control Panel/Switch/Accelerator



- ① Turn Signal Indicators
- ② Brake applied
- ③ Scooter Locked
- ④ Headlight on
- ⑤ App Connected
- ⑥ Cruise Control
- ⑦ Riding Modes
- ⑧ ODO: Total Distance
TRIP: Trip Distance
- ⑨ Battery Level & Voltage
- ⑩ Real-time Speed
- ⑪ MAX: Trip Maximum Speed
AVG: Trip Average Speed
Error: Error Code
- ⑫ Headlight switch
- ⑬ Horn switch
- ⑭ Upshift
- ⑮ Downshift
- ⑯ Power button
- ⑰ Turn signal switch
- ⑱ Acceleration throttle (Press down to accelerate)

Riding Mode	Max Speed
	15 km/h
	30 km/h
	45 km/h



If you experience any error code on the screen, contact us for support.

Functional Operation



- To enter the settings, hold the “M” button for about 3 seconds.
- Press the “M” button to cycle between P01, P05, P06, P99, and ODO.

1. Gear switching:

Click the "+" or "-" keys to switch between 1/2/3 gear modes;

2. Turning on and off the lighting:

Click the  button to turn on/off the headlight lighting;

Short click the "M" button to turn on/off the side color lights;

3. Unit switching:

Long press the "M" key to enter menu P01, switch between kilometer units (KM/H) and mile units (MPH);

4. Turn on/off cruise control:

Long press the "M" key to enter menu P05, where 1 indicates on and 0 indicates off of cruise control function. The instrument panel displays cruise control

The icon represents that the cruise control function has been turned on, and if the instrument panel does not display the cruise control icon, it means that the cruise control function has been turned off;

5. Switching of startup mode:

Long press the "M" key to enter menu P06, switch from 0 to zero start and 1 to non-zero start (default zero start);

6. Mileage and Time Switching:

The display screen automatically switches between TRIP (Single Mileage) and ODO (Total Mileage);

7. Restore factory settings parameters:

After booting up, long press the "M" key to enter menu P99, and long press the "+" key for about 5 seconds to restore factory settings.

8. Clear the total mileage:

After powering on, press and hold the "M" button to enter the ODO menu. Then, press and hold the "+" button for 5 seconds to clear the accumulated mileage.

APP Lock Control

1. After locking via the app, both the front and rear motors generate reverse resistance to lock the motors.
2. Once locked via the app, the scooter remains in the locked state even if it goes out of Bluetooth range or the app is closed.
3. After locking via the app, the scooter can only be unlocked through the app or by pressing the “M” button 8 times in a row; all other buttons are disabled.
4. When locked via the app, the display shows only the lock icon; all other information is hidden. The full display is restored upon unlocking.
5. If the battery voltage drops below 43V while locked via the app, the scooter will shut down automatically for protection. The lock will be released upon charging or restarting the scooter.
6. If the scooter is forcibly moved while locked via the app, the dashboard buzzer will emit a rapid alarm sound.

Disc Brake Adjustment

To adjust the brake cable :



You need a hex wrench to loosen the bolt on the cable clamp.

- If the disc brake is dragging, slide the arm of the clamp backward along the cable while holding the cable in one hand. Then, retighten the bolt on the brake clamp.
- If the disc brake does not work efficiently, the cable is slack. You need to slide the arm of the clamp forward along the cable while holding the cable in one hand. Then, retighten the bolt on the brake cable clamp.



To eliminate brake noise :

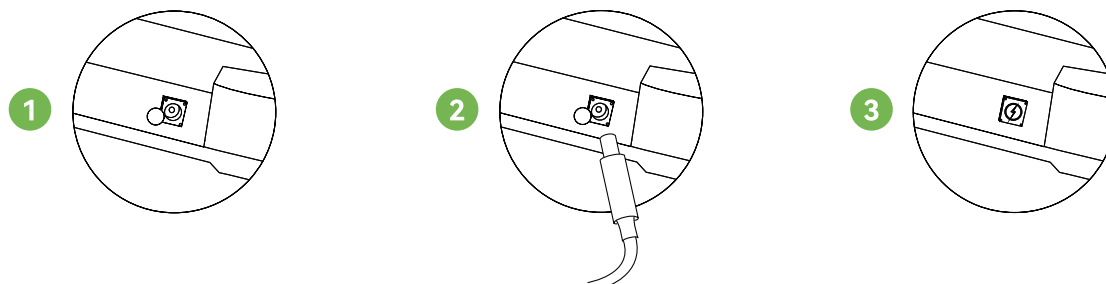
1. Loosen the two brake caliper mounting bolts (not the bolt on the cable clamp) .
2. Reposition the brake caliper to ensure the brake rotor is centered between the brake pads.
3. Retighten the mounting bolts.

Meaning of vehicle status codes

Code	Fault	Diagnostic Step	Solution
3E	Rear motor failure	Check whether the motor wires are connected properly or whether the colored wires are connected incorrectly.	If there is no problem with each circuit, the motor needs to be replaced.
4E	Low voltage protection	Check if the battery is used up.	The battery is dead and needs to be charged.
5E	Brake lever failure	After the system is powered on, check whether the brakes are working properly.	If the brake signal is less than 0.75V for a long period of time, the brake lever needs to be replaced.
6E	Rear motor hall failure	Check whether the motor wires are connected properly or whether the colored wires are connected incorrectly.	If there is no problem with each circuit, the motor needs to be replaced.
7E	Accelerator failure	Check if the accelerator is reset.	After the accelerator is reset, if the handlebar signal is still less than 0.75V, the accelerator needs to be replaced.
8E	Rear controller failure	Controller failure	Replace controller
10E	Communication sending failure	The controller cannot receive the instrument signal. Check whether the yellow line of the controller is connected properly.	Replace meter
15E	Communication receiving failure	The instrument cannot receive the signal from the controller. Check whether the green line of the controller is connected properly.	Replace controller

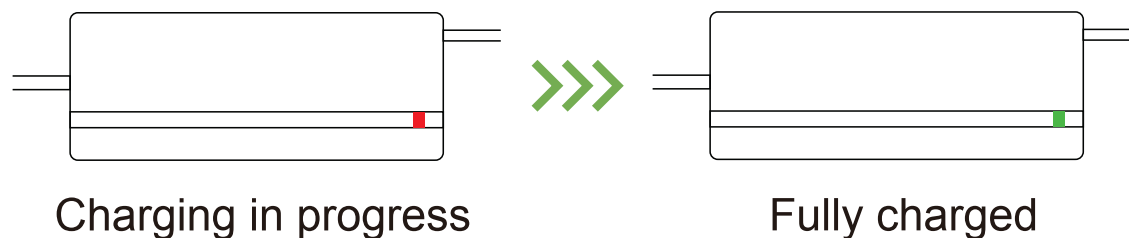
Charging

When the LED indicator light on the charger changes, the scooter is fully charged From red to green.



- 1 Open the plastic cover of the scooter charging port.
- 2 Insert the charger into the charging port.
- 3 After charging is completed, return the plastic waterproof cover.

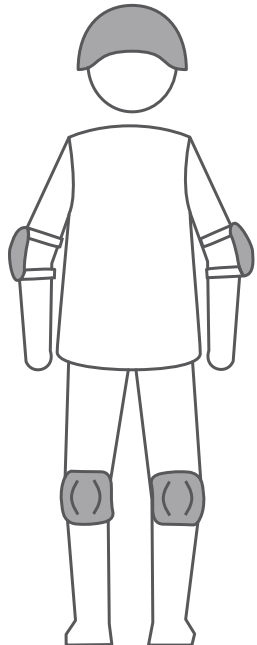
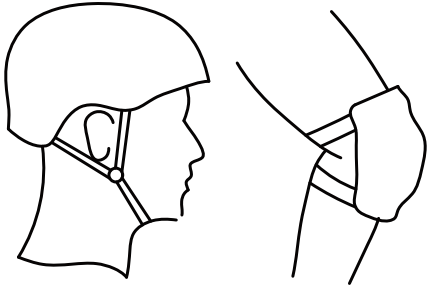
- ▲ With charging protection, the scooter will cut off charging automatically after a full charge. We still don't recommend overcharging it.
- ▲ Keep the charging port cover closed when not charging.
- ▲ During charging, the scooter can not be turned on.



Riding Basics



Wear a helmet, elbow pads, and knee pads in case of falls and injuries either you are a beginner learning to ride or you are a seasoned rider.



1. Turn the power on, and check the battery level indicator.
2. Stand with one foot on the deck and one foot on the ground. Scoot yourself with the foot on the ground.
3. When the scooter starts to move forward, put both feet on the deck and press the accelerator. (The accelerator initiates once the speed exceeds 3 mph.)
4. Release the accelerator and the kinetic energy recovery system (KERS) initiates automatically to brake slowly; And squeeze the brake lever for a sudden brake.
5. Tilt your body to the steering direction as you turn, and slowly turn the handlebar.

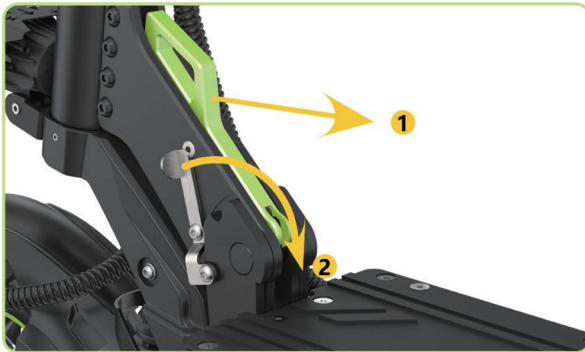
Folding



1. Please turn off all power sources before folding the entire vehicle



2. Pull the folding switch ① outward to approach a horizontal position



3. Simultaneously push stem forward with your right hand while pulling back the latch ② with your left hand



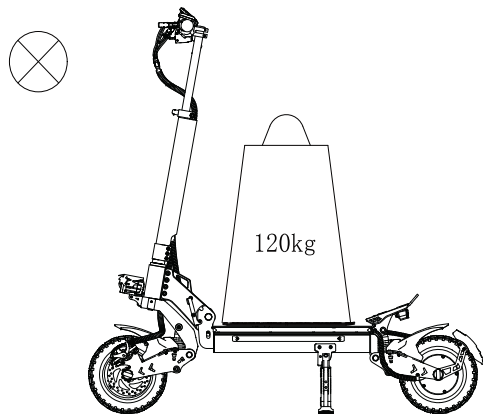
4. Fold the stem downwards

Product Parameters

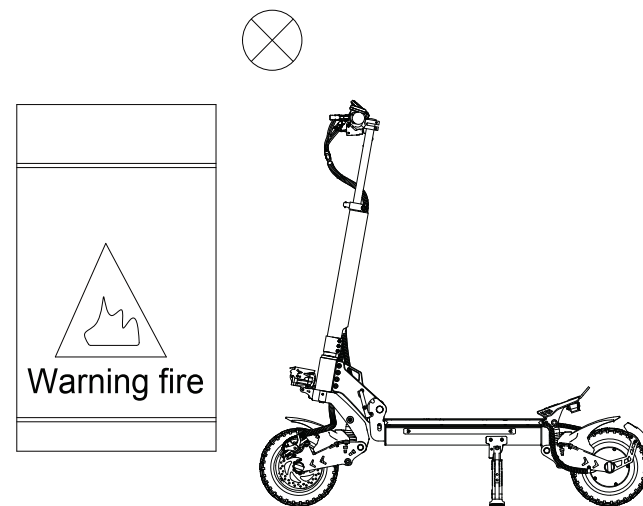
Product Name:	Z1
Packaging size:	128*24*46cm
Motor type:	Powerful brushless motor
Tire type:	10-Inch Off Road
Maximum load-bearing capacity:	120KG
Frame material:	Aluminum alloy
Charging duration:	6-8H
Charging duration: Brake type:	Disc brake+electronic brake
Top speed:	45KM/H adjustable in gears 1-3

Storage temperature:	1 month: -20 - 60 °C (-4~140°F) 3 months: -20 - 45 °C (-4~113°F) 1 year: -20 - 20 °C (-4~68°F)
Battery:	18650 Lithium Battery
Working temperature:	-10 ~ 40 °C (14~104°F)
Charging temperature:	10 ~ 40 °C (50~104°F)
Store relative humidity:	5% ~ 95%

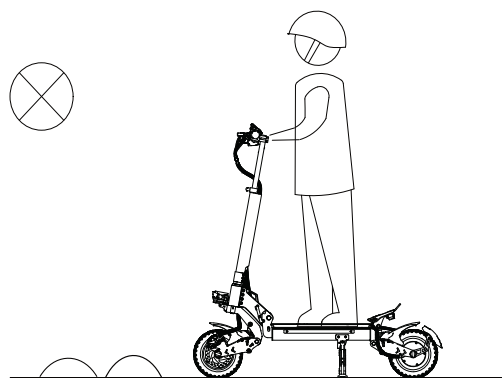
Note: Data and specifications may vary depending on the model and are subject to change without prior notice.



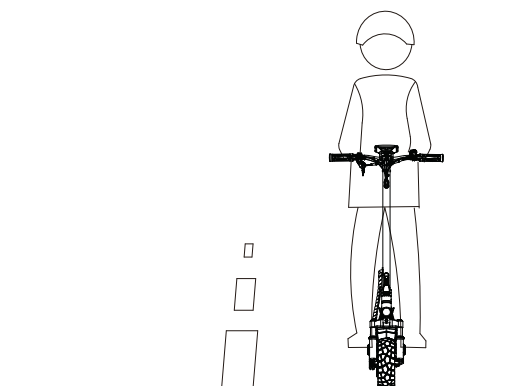
Please do not overload.



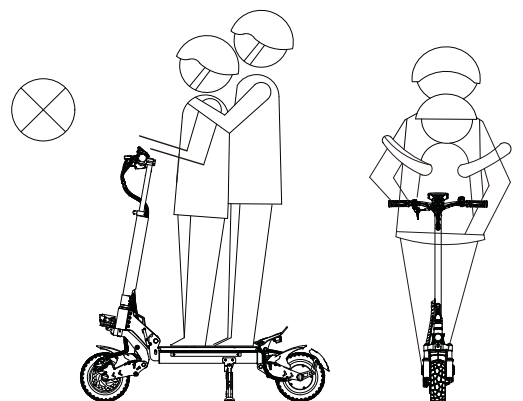
Stay away from fire, pay attention to fire.



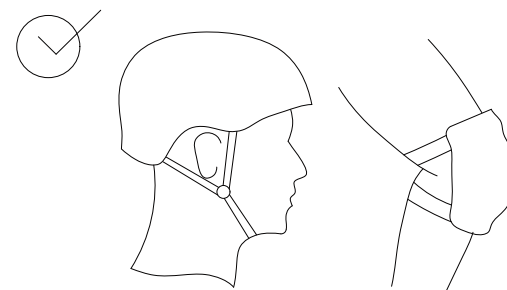
Please keep a medium or low speed (5mph) when you ride across speed bumps, elevator door sills, bumpy roads or other uneven surfaces. Slightly bend your knee to better adjust mentioned surfaces.



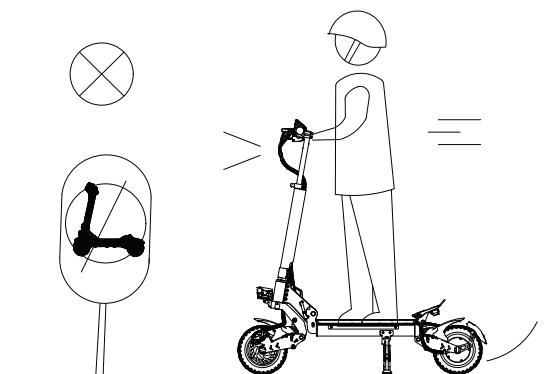
Do not press the accelerator when you're walking alongside the scooter.



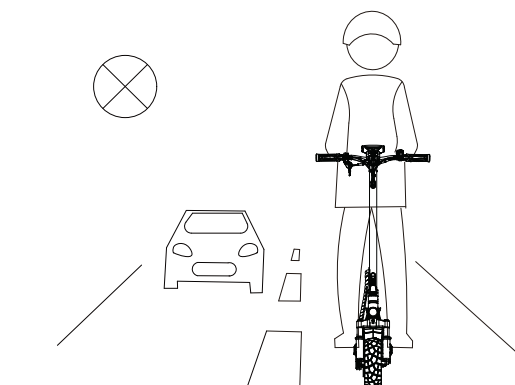
Do not ride with anyone else, including children.



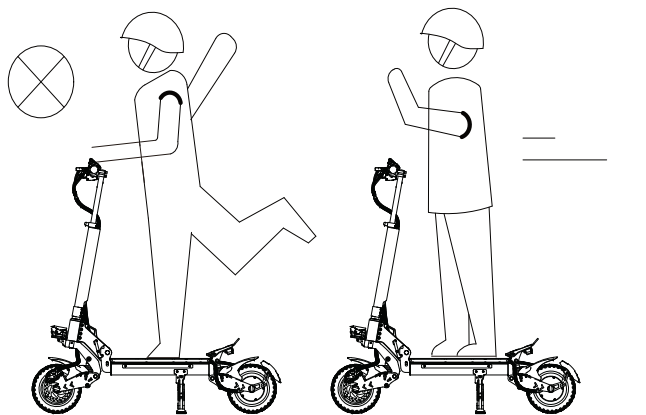
Please wear a helmet and protective gear before riding.



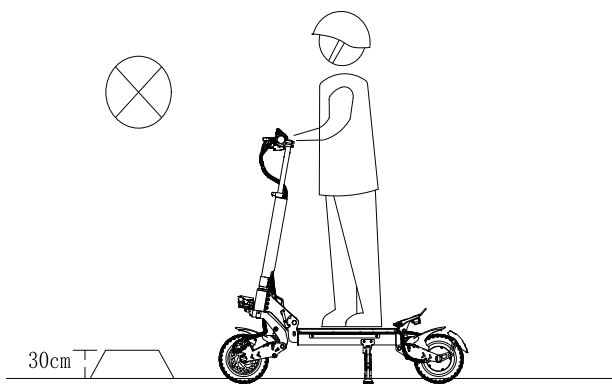
Do not drive on roads where cycling is not allowed.



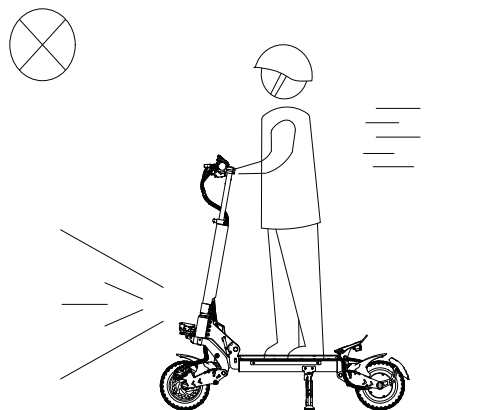
Do not ride in traffic lanes or residential areas where vehicles and pedestrians are both allowed.



Keep your feet off the rear mudguard.
Always keep your hands on the handlebar.



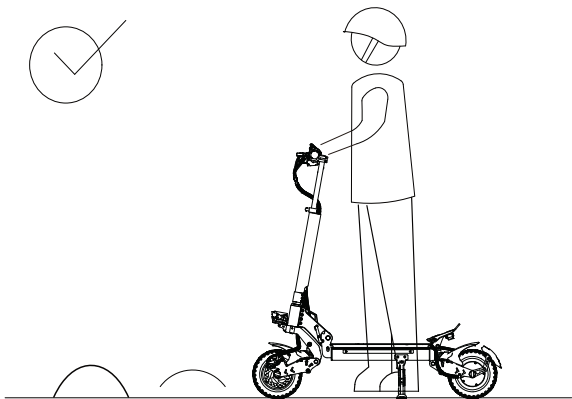
Do not try riding up or down stairs, and
jumping over obstacles.



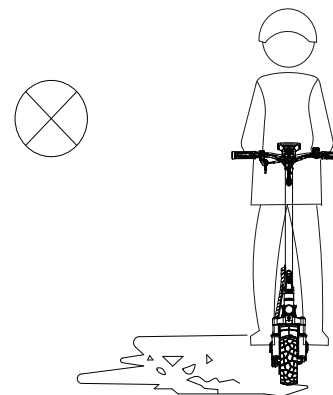
Please do not overspeed.



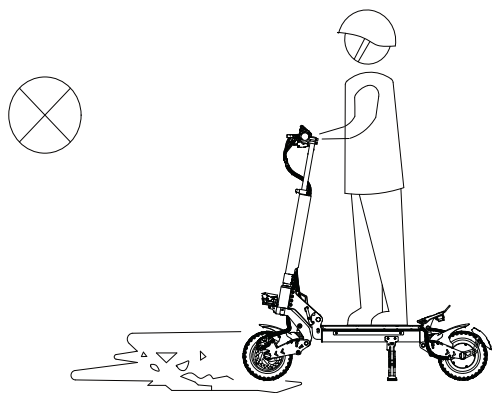
Do not ride in the rain.



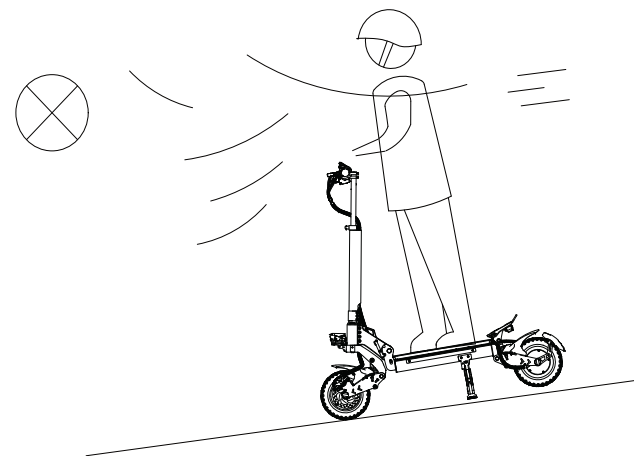
Don't ride on a steep slope, please get off and push.



Always steer clear of obstacles.



Do not ride in a ponding that is higher than 20mm.



Do not accelerate when you go downhill.

Security Reminder

- Always wear an approved helmet whenever riding this product.
- Do not ride the scooter under the influence of drugs or alcohol.
- Users must travel at speeds appropriate for the usage area, riding conditions, and experience level.
- Always respect pedestrians.
- Because Electric scooters are significantly heavier than regular scooters, they are not intended for large jumps or stunts of any kind. scooter frames and parts have limitations, and extreme riding should not be performed.
- Inspect the scooter before each use, making sure the correct setup and tightening is done on your scooter before using it for the first time.
- Proper installation, compatibility, operation, and maintenance must be performed on all components. Failure to comply could result in serious injury or death.
- Be sure to check that the tires are in good condition, inflated properly, and have sufficient tread remaining.
- Never exceed the 264lbs (120kg) maximum load rating.
- Maximum Speed - Your Electric scooter goes at a maximum speed of 25km/h (15.5 mph).
- Make note that additional insurance may be required to cover situations you encounter.
- Do not ride under wet conditions. The Electric scooter may slide from under your feet causing injury. Wet conditions may damage the electronics and void the warranty.

- a. Water Avoidance: The Electric scooter is not waterproof. Exposure to water can damage the electronics, and any water-related damage is not covered by our warranty. Riding in wet conditions is also highly dangerous and can lead to accidents and injuries.
- b. Environmental Considerations: Avoid prolonged exposure to sunlight, rain, and storage in areas with high temperatures or corrosive gases. These conditions can degrade the components and affect the performance and lifespan of the scooter.
- c. Avoid Abuse: Our warranty does not cover physical damage caused by negligent care or extreme riding practices. Please exercise proper care and avoid actions that could result in damage to the scooter.
- d. Risk Disclaimer: Riding the Electric scooter carries inherent risks, including the potential for severe injury or even death due to loss of control, collisions, and falls. Always exercise caution and ride at your own risk, adhering to safety guidelines and regulations.
- e. Non-Modification: Do not modify the scooter from its original manufacturer's design. Alterations can compromise safety, performance, and warranty coverage.
- f. Adherence to Traffic Laws: Observe and comply with posted speed limits and all traffic laws while operating the Electric scooter. Ensure your safety and the safety of others on the road.
- g. Charging Port Safety: Avoid direct contact with the charging port and prevent it from coming into contact with metal objects. This precaution ensures proper functioning and prevents potential electrical hazards.
- h. Insurance Recommendation: It is advisable to seek advice and consultation from an insurance company or broker regarding insurance coverage while riding an Electric scooter.

Daily Care and Maintenance

Cleaning and Storage

- a. Always store your scooter in a clean dry place to avoid rust and damage to battery.
- b. When the scooter is not being used, the battery can lose power. You should test the battery at least once a month, to ensure the battery maintains full charging capabilities. Clean your scooter frame with a wet rag and mild non-corrosive cleaner. After cleaning, lubricate where necessary.
- c. Electric scooters are not waterproof and should not be submerged in water as this may damage the electrical system. Be sure to store your scooter under shelter and avoid leaving it out in the rain. If wet from rain, wipe down to dry.
Please note - water damage and corrosion are not covered under warranty.
- d. Ensure your scooter tires are always inflated to a pressure within the recommended range printed on the tire sidewalls.
- e. Avoid cleaning the scooter with alcohol, gasoline, kerosene, or other corrosive and volatile chemical solvents to prevent serious damage.

- f. Refrain from using a high-pressure water spray to wash the scooter.
- g. Prior to cleaning, ensure that the scooter is turned off, the charging cable is unplugged, and the rubber flap is closed.

Water leakage could lead to electric shock or other major problems.

- h. When the scooter is not in use, store it indoors in a dry and cool area. Avoid leaving it outdoors for an extended period as excessive sunlight, overheating, and over cooling can shorten the battery pack's lifespan.

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.