

# User Manual

## C1S Folding Electric Scooter



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After-Sales Support



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# Attention

- This electric scooter is intended for riders aged 18 and above.
- For single riders only; not designed for carrying passengers.
- Ensure the scooter is fully charged when not in use. Charge it at least once a month.
- Check tire pressure before riding. Recommended pressure: 2.2-2.5 bar. Regularly monitor tire pressure during use.
- Always wear a helmet, knee pads, elbow pads, and appropriate footwear while riding.
- For assistance, contact us at [csscooter@8nd8.com](mailto:csscooter@8nd8.com).



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# Configuration

# Packing Listing



Charger



Bicycle Pedals



Allen key



User manual

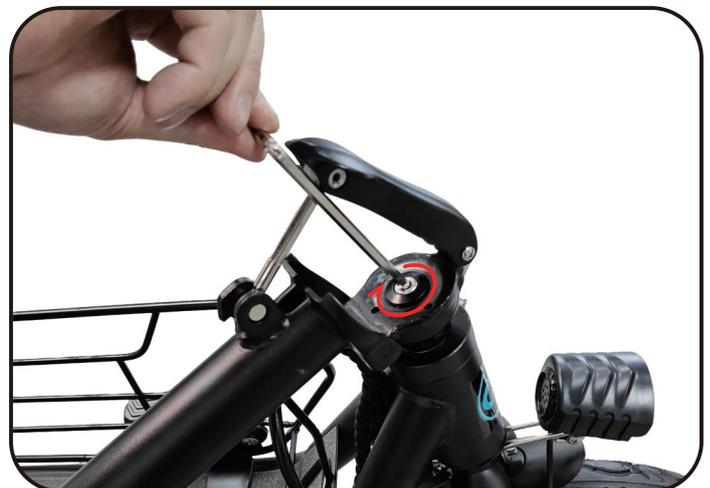
# Assembly

## Steering Stem



**1.** Use the kickstand to keep the e-scooter upright. Locate the folding mechanism on the steering stem.

**2.** Open the folding mechanism to the appropriate angle

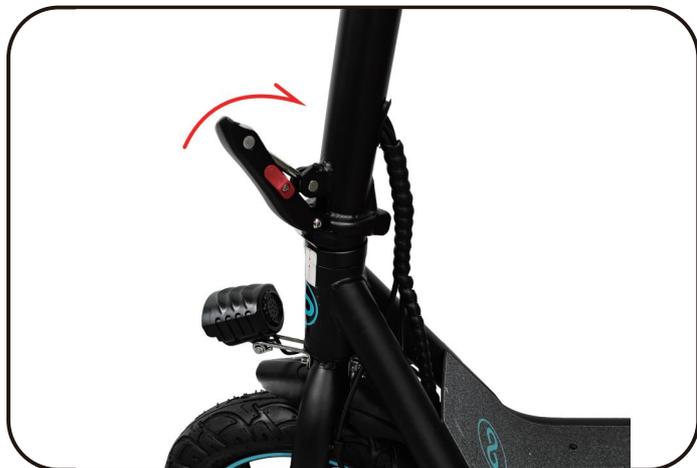


**3.** Align the up and down arrows on the sticker, then insert the folding mechanism on the steering stem into the steering column to ensure correct installation

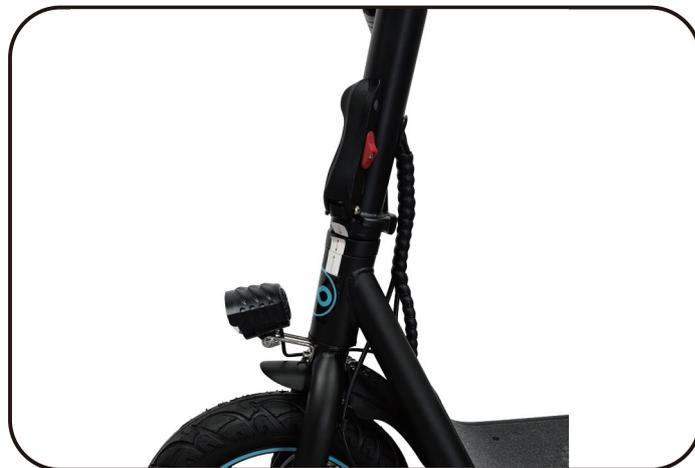
**4.** Tighten the screw securely to ensure proper steering functionality

# Assembly

## Steering Stem



**5.** Firmly push the folding lever towards the steering stem to securely lock it in place.



**6.** Please verify that the installation is correct and secure

## Handlebar Quick Release



**1.** Open the handlebar quick release and carefully remove the relevant parts and store them safely.



**2.** Insert the scooter's horizontal handle into the quick-release slot and slide the movable parts into place

# Assembly

## Handlebar Quick Release



**3.** Ensure the movable part of the quick-release mechanism slides into place properly



**4.** Tighten the screws firmly.



**5.** Securely close the quick-release mechanism

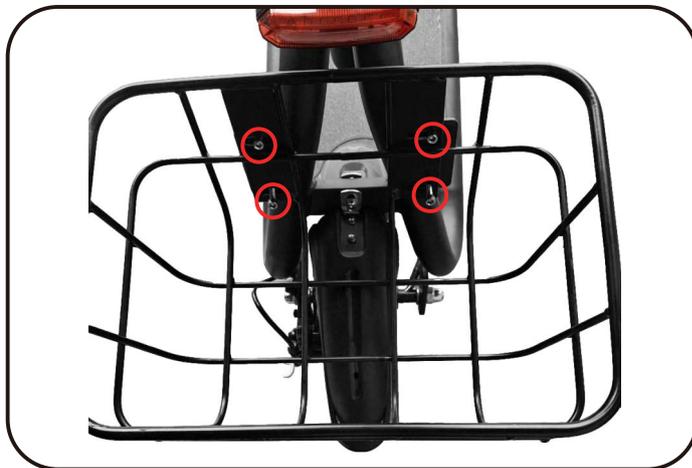
## Seat



Open the quick-release lever on the seat post mount and insert the seat post. Adjust the seat height to your preferred position, then securely close the quick-release lever

# Assembly

## Baskets



Remove the four mounting screws from the luggage basket above the rear mudguard. Adjust the luggage basket and secure it in place using the screws you just removed

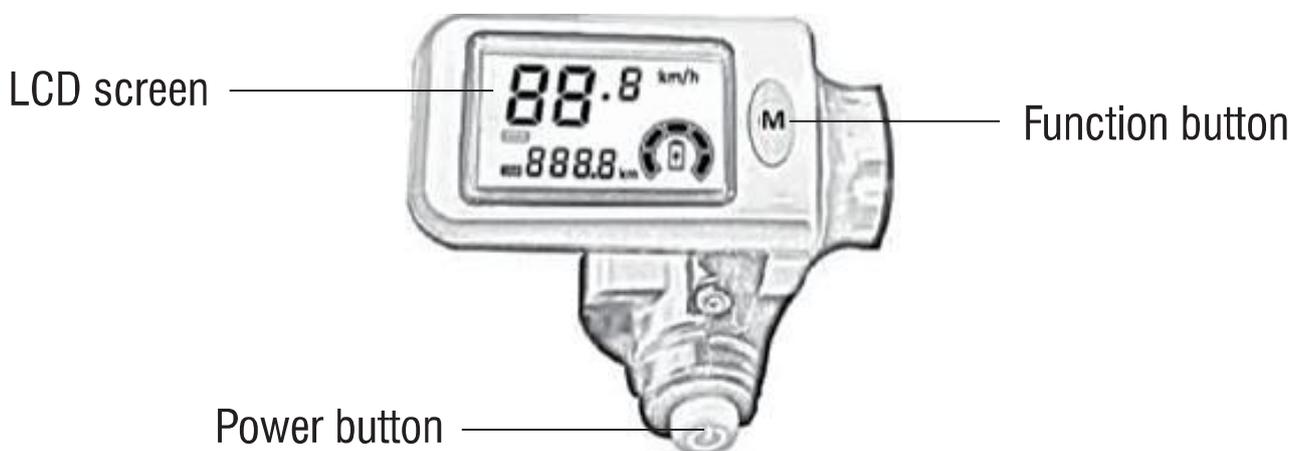
## Pedal



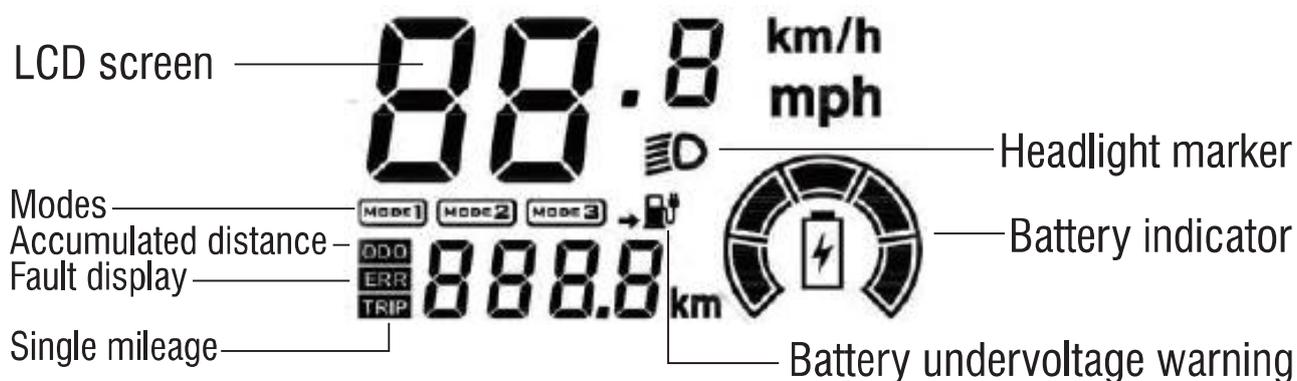
Install the screws into the corresponding screw holes and tighten them

# Display Functions

## Main Display Elements



## Key Indicators



## Power On/Off

- Power On: Press the power button once to turn on the device.
- Power Off: Press the power button again to turn off the device.

## Switch Modes

- Press the "M" button once to cycle through Mode 1, Mode 2, and Mode 3.
- Each mode is associated with a different speed limit.

# Display Functions

## Operating Instructions

### Switch Lights On/Off

- Turn Lights On: Double press the "M" button to turn on the lights.
- Turn Lights Off: Double press the "M" button again to turn off the lights.

### Switch Mileage Display Content

- By default, the display shows the single trip mileage (TRIP).
- To Change Display: Long press the function button for more than 3 seconds to cycle
- through the display options: Cumulative Mileage (ODO) → Single Trip Mileage (TRIP) → Battery Voltage (UXX.X) → Failure Code (ERR)

### Notes

- Each time the device is restarted, the single trip mileage will reset, while the cumulative mileage will continue to accumulate.
- If no fault is detected, the fault code will be skipped during the mode switch.

### Fault Code Display

- When a fault is detected, the "ERR" icon will appear on the screen. The corresponding fault code will be displayed in the mileage area. Please refer to the attached table for the meaning of the fault code.

### Battery Undervoltage Warning

- When battery undervoltage is detected, the undervoltage (charge) warning icon will appear. The device can still be used for a short distance, but it is recommended to charge it immediately.

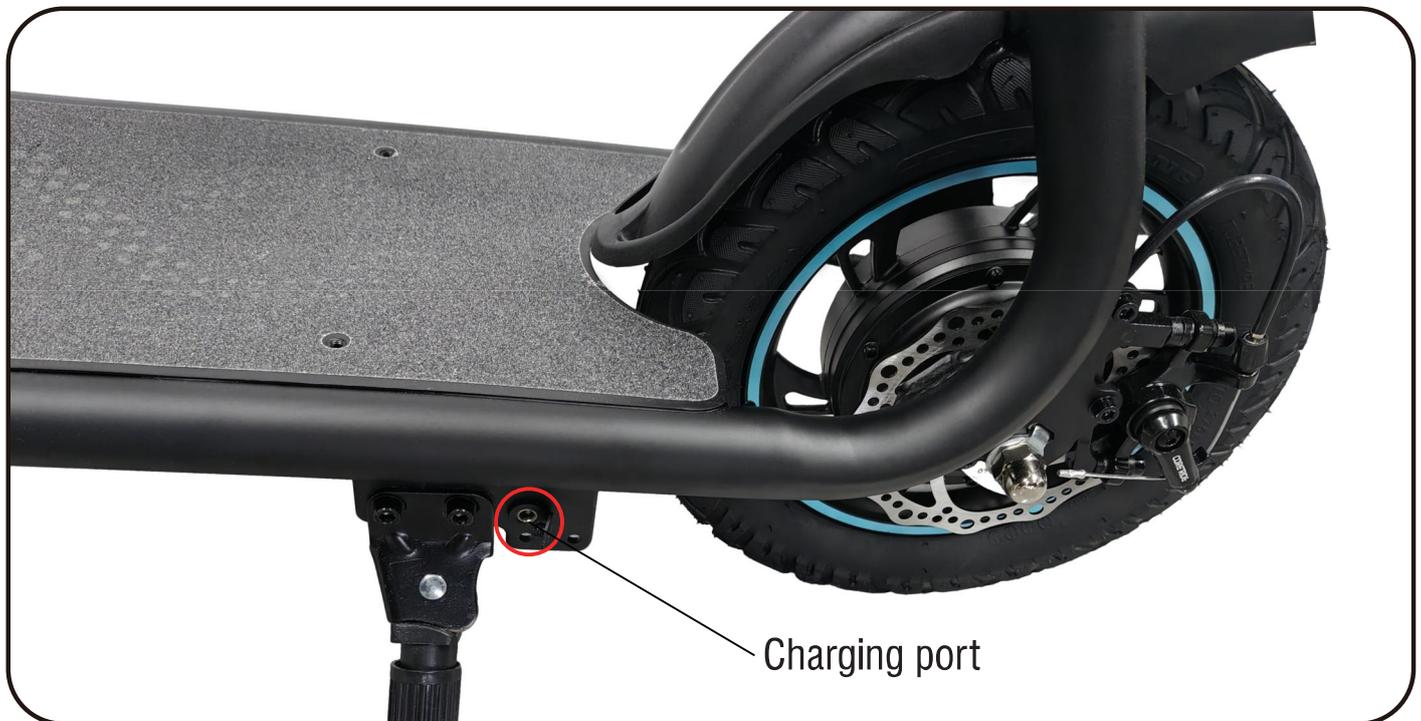
# Display Functions

## Fault Code Table

Code	Meaning
000	Normal
002	Brake Handle Fault
006	Battery Undervoltage
007	Motor Fault
008	Rotating Handle Fault
009	Controller Fault
010	Instrument Communication Reception Fault
011	Controller Communication Reception Fault

# Battery Usage Instructions

## Charging Instructions



- **Locate the Charging Port:** The charging port is situated at the rear end of the running board, as shown.
- **Open the Protective Cap:** Lift the protective cap to access the charging port.
- **Ensure Dryness:** Before charging, make sure both the charging port and charger are dry.
- **Turn Off the Scooter:** Ensure that the Folding E-Scooter is turned off before charging.
- **Connect the Charging Cable:** Plug the charging cable into the charging port.
- **Voltage:** The charger is compatible with 100-240V/50-60Hz.
- **Charging Indicator:** The charging light on the charger will glow red when charging. Once the battery is fully charged, the light will change from red to green. Stop charging at this point.
- **Disconnect the Charger:** Unplug the charger from both the mains and the Folding E-Scooter.
- **Dry Hands:** Ensure your hands are dry when handling the charger or scooter.
- **Battery Charger Model:** Use only the original charger provided.

# Battery Usage Instructions

## Battery Care and Usage **WARNING**

- **Never Remove the Battery:** Do not attempt to remove the battery from the Folding E-Scooter. Regular charging helps protect the battery from complete discharge.
- **Avoid Heating or Burning:** Never heat the battery or dispose of it in an open fire.
- **Proper Disposal:** Never dispose of the battery cells in household waste. Dispose of them at designated recycling points.
- **Keep Battery Contacts Dry:** Ensure that no moisture comes into contact with the battery terminals.
- **Optimal Operating Temperature:** The optimal temperature for battery operation is between 10°C and 30°C. Charging or using the scooter outside this range may result in reduced power output and range.
- **Charging Compatibility:** Only use the supplied charger. Ensure the voltage supply is correct (100-240V/50-60Hz).
- **Damaged Charger Warning:** Do not charge the scooter if the charger cable is damaged. Contact customer service for assistance.

## Battery Maintenance

- **Store in a Dry, Cool Place:** For best battery life, charge and store the scooter in a dry, clean environment with temperatures between 7°C and 15°C.
- **Charging Time:** The Folding E-Scooter takes approximately 5 hours to fully charge.
- **Avoid Permanent Charging:** Do not leave the charger connected to the battery or power supply indefinitely, as this can negatively affect battery life.
- **Do Not Cover While Charging:** The scooter and charger must not be covered during charging.



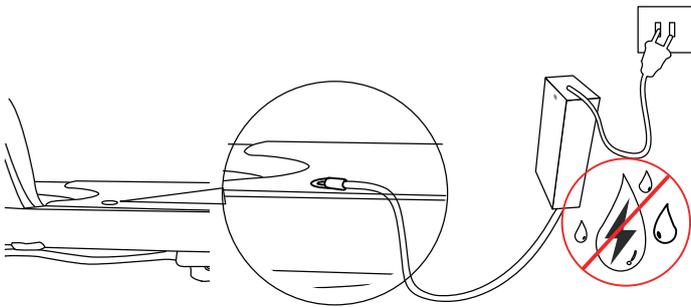
**Disposal**



# Battery Usage Instructions

## Important Note

- Over-Discharged Battery: An over-discharged battery is irreparably damaged and must be replaced at your expense.
- Battery Discharge: Never allow the battery to fully discharge during use. Regular charging is important to maintain battery health.



**No wet occasions!**



**No wet hands!**

# Safety Riding Guidelines

## Pre-Ride Inspection

- Ensure all parts of the E-scooter are properly installed and free of damage.
- Check that the brake system is functioning correctly.
- Confirm that the folding mechanism is securely locked.
- Make sure the battery has enough charge for your ride.
- Ensure the handlebar is firmly fixed.
- Verify that the front light, rear light, and bell are all working correctly.
- Regularly check tire pressure and inflate as necessary. The recommended tire pressure is 2.5 bar.

## Choose a Safe Riding Area

- Find a spacious, flat area of at least 4m x 20m for practice, either indoors or outdoors.
- Familiarize yourself with the surroundings and avoid distractions from cars, pedestrians, pets, or other obstacles.
- It is recommended to have a skilled assistant who is familiar with e-bike riding and the precautions listed in this manual.
- After cleaning the scooter, make sure to dry it thoroughly to ensure safe brake performance. Wet conditions may cause delayed brake reaction.

## Riding in Safe Conditions

- Avoid riding on smooth, wet, or slippery surfaces.
- Increase braking distance on rainy days.
- Do not use the E-scooter in adverse weather conditions, such as rain, snow, or ice. If you choose to ride in such conditions, ensure the brake system is fully operational.



# Safety Riding Guidelines

**To ensure your safety while using the electric scooter and reduce the risk of accidents, please follow these essential safety rules:**

## **Prioritize Safety**

- Riders should be 18 years or older. The scooter is designed for single rider use only; no passengers allowed.
- Pregnant women or individuals with physical or mental health conditions should not use the scooter.
- Always follow local and national electric scooter laws and speed regulations.
- Riding an electric scooter involves movement, which can lead to loss of control, falls, or other dangerous situations. While safety measures can reduce risk, they cannot eliminate it entirely. Ride at your own risk and always use common sense.

## **Wear Protective Gear**

- Always wear a helmet and other protective gear (such as knee and elbow pads) for personal safety.
- Wear comfortable clothing and flat shoes to maintain stability while riding.

## **Prepare the Riding Environment**

- Before riding, choose a flat, open area to practice. Ensure there are no obstacles, vehicles, pedestrians, or pets nearby.
- Be aware of your surroundings and avoid distractions like cars, people, or pets. Check the scooter's key components (brakes, battery, tire condition) to ensure everything is functioning properly before you ride.

# Safety Riding Guidelines

## Speed and Control

- Do not ride at high speeds in unfamiliar or crowded areas. Adjust your speed according to road conditions and environment.
- Avoid sudden acceleration or deceleration on slopes, especially on inclines exceeding 15°.
- Start slowly, accelerate smoothly, and use both front and rear brakes to stop safely. Never rely solely on the front brake to stop.
- Always keep both hands on the handlebars for safe operation.

## Avoid Unsafe Weather and Terrain

- Avoid riding in rain, snow, or on wet surfaces. If you must ride in these conditions, reduce speed and ensure your brakes are functioning well.
- Do not ride on grass, cobblestone roads, or in water deeper than 30mm.
- Avoid riding in wet, humid, or poorly lit environments. Do not ride on steep inclines or hazardous terrain.

## Regular Inspection and Maintenance

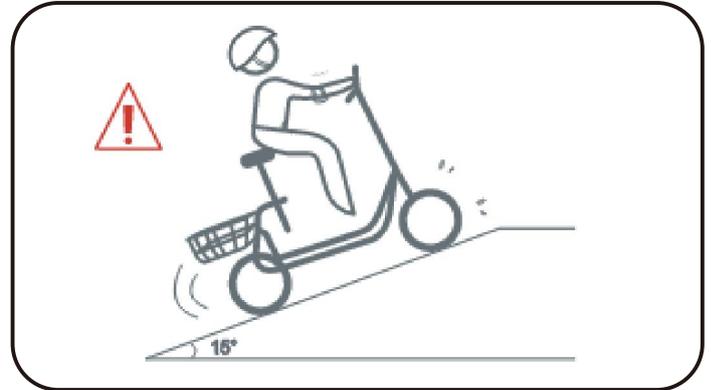
- Before each ride, check key components like the brakes, wheels, handlebars, and tire pressure. Ensure everything is secure and undamaged.
- Make sure the scooter's battery is fully charged and the scooter is in good condition.
- Regularly inspect the overall condition of the scooter to ensure it's operating optimally.
- Maintenance and part replacement should be performed according to the manufacturer's instructions. Professional installation and servicing are recommended.

# Safety Riding Guidelines

## Avoid Dangerous Actions



**1.** Always wear a helmet and protective gear when riding.



**2.** Do not ride on slopes steeper than 15°, and avoid sharp acceleration or deceleration on inclines.



**3.** Do not ride up or down stairs, or in high-traffic areas like highways.



**4.** Be cautious of obstacles and slippery surfaces. Never ride on grass or cobblestone paths, and avoid riding through water deeper than 30mm.

- The scooter is for single-rider use only; do not carry passengers.
- When riding for the first time, avoid speeding. Gradually increase your speed once you are familiar with the scooter's handling. This scooter is suitable for riders between the ages of 18-60 and weighing no more than 265 lbs.
- Avoid distractions while riding. Do not use a mobile phone or wear headphones. Refrain from riding alongside other moving vehicles.
- Do not perform stunts or misuse the scooter for extreme sports or tricks.

# Safety Riding Guidelines

## Battery Maintenance

- Due to the nature of lithium batteries, charge the scooter at least once a month to maintain battery health.
- Battery damage due to improper use or maintenance is not covered by warranty.

## Water Protection

- Avoid prolonged exposure to water, as this can damage the battery and electronic components.
- Never submerge the scooter in water, as this can cause damage to the electrical system and drivetrain.
- Use a damp, soft cloth for cleaning. Do not spray the scooter with water.
- By following these safety guidelines, you will greatly reduce the risk of accidents and ensure both your safety and the safety of others while riding.

# Maintenance and Care

**To ensure optimal performance and longevity of your Folding E-Scooter, please follow these maintenance guidelines:**

## Pre-Ride Checks

- Before each ride, ensure that all screws, lock levers, and quick-release clamps are tightened securely.
- Verify that the tire pressure is correct.

## Cleaning

- Clean your scooter with a soft, damp cloth only.
- For stubborn dirt, you may use plastic polish as per the manufacturer's instructions.



### Note:

- Never use alcohol, cleaner's naphtha, acetone, or any other corrosive or volatile chemical solvents as they can damage the scooter's exterior and interior surfaces.
- Avoid cleaning the scooter with a high-pressure water jet or pressure washer, as this may cause damage.



### Warning:

- Ensure the scooter is switched off and the charging socket cover is securely closed before cleaning to avoid electric shock or damage.

# Maintenance and Care

## Storage

- Store your scooter in a cool, dry place when not in use.
- Important: Do not store the scooter outdoors or expose it to direct sunlight or extreme temperatures.
- This can accelerate the aging of the plastic components and reduce battery performance. After each ride, turn off the scooter and charge the battery. Operating the scooter
- with a completely discharged battery may cause irreparable damage. Damage from improper use is not covered by the warranty.
- Never attempt to remove or open the battery.

## Battery Care

- A well-maintained battery will continue to perform well even after many
- kilometers of use. Always charge the battery after each ride and avoid running it completely empty.
- Note that battery performance decreases in cold temperatures (see the "Using the Battery" section for more details).

## Altitude and Environmental Considerations

- Devices are not intended for use at elevations greater than 2,000 meters above sea level.
- Prolonged exposure to UV rays, rain, and other elements may damage the scooter's exterior materials. Store the scooter indoors when not in use.



### **Warning:**

Risk of fire or electric shock – no user-serviceable parts.

By following these maintenance steps, you can extend the life of your scooter and ensure it remains in optimal working condition.

# Maintenance and care

## Brake Caliper Adjustment

To ensure optimal braking performance, it is important to regularly check and adjust the brake calipers of your scooter's disc brakes.

### Tools Required

- Allen key
- Rubber band

### Adjustment Steps

- Slightly loosen the two brake caliper mounting bolts until the brake caliper can be moved.
- Secure the brake lever with the rubber band to center the brake caliper.
- Tighten both brake caliper mounting bolts again.
- After removing the rubber band, check if the wheel can rotate freely.

Brake calliper mounting bolts



### Note:

- The adjustment process is the same for both the front and rear brakes.

Regular brake adjustments are essential for safe and efficient riding. Ensure that the calipers are properly aligned to maintain braking performance.

# Maintenance and care

## Tightening/Loosening the Brake Cables

To adjust the brake cable tension for optimal braking performance, follow these steps:

### Loosen the Locknut

- Start by loosening the locknut on the brake lever you wish to adjust.

### Adjust the Brake Cable

- To tighten the brake cable, turn the adjusting nut in the direction that reduces the distance between the brake shoes and the brake disc.
- To loosen the brake cable, turn the adjusting nut in the opposite direction to increase the distance between the brake shoes and the brake disc.
- Tighten the Locknut: After adjusting the brake cable, tighten the locknut again to secure the adjusting nut in place.

Locknut

Adjusting nut



### Note:

- The proper setting is achieved when there is approximately 1 mm of distance between the brake shoes and the brake disc.

Regularly check and adjust the brake cables to maintain safe and responsive braking.

# Specifications

<b>Material</b>	Iron
<b>Maximum Range</b>	Approx. 32 km*
<b>Maximum Speed</b>	Approx. 30 km/h*
<b>Bike Weight</b>	45 LBS
<b>Maximum Load</b>	265 LBS
<b>Display</b>	LCD
<b>Wheel Size</b>	12" pneumatic tires (front and rear)
<b>Brakes</b>	Dual disc brakes
<b>Charger</b>	100-240V / 50-60Hz
<b>Charging Time</b>	Approx. 5 hours
<b>Battery</b>	36V DC, 7.8Ah lithium battery
<b>Airborne Noise Emissions</b>	58 dB
<b>Vibration Intensity</b>	0.09-0.13 mm/s
<b>Gradeability</b>	15°
<b>Operating Temperature (Riding)</b>	10°C - 40°C
<b>Storage Temperature</b>	20°C - 45°C
<b>Minimum Load</b>	55 LBS



## Note:

- These are guide values based on a rider weighing approximately 165 LBS, with a fully charged battery, on smooth, even road surfaces, and under optimal temperature conditions.

# Warranty

## **This warranty does not cover the following situations:**

- **Improper Use:** Any use of the product other than its intended purpose.
- **Negligence or Improper Maintenance:** Damage caused by improper operation, care, maintenance, or storage, such as exposure to moisture, extreme temperatures, or neglect.
- **Unauthorized Repair or Modification:** Any repair or modification made by unauthorized persons or service providers.
- **Physical Damage:** Damage resulting from accidents, collisions, misuse, or abuse.
- **Transport-Related Damage:** Damage caused by improper packaging or transport.
- **Mechanical or External Impacts:** Damage resulting from mechanical influences, falls, impacts, fire, flood, earthquake, lightning, or other external forces.
- **Absence of Proof of Purchase:** Warranty is only valid with the original proof of purchase.
- **Commercial Use:** If the product is used for commercial purposes, the warranty is void. For products that need to be returned, shipping costs will be borne by the purchaser if the warranty does not apply.



### **Note:**

- The warranty will be void if the product is used for commercial purposes.

# Storage and Disposal

## Proper Storage Conditions

- Avoid storing the scooter in direct sunlight, as prolonged exposure to high temperatures can damage the battery and impair scooter performance.

## Dry Storage

- Ensure the scooter is stored in a dry environment. Humidity or wet conditions can harm the scooter's electronic components.

## Battery Maintenance

- When the scooter is not in use, the battery may gradually lose charge. It is recommended to check the battery at least once a month to ensure it holds a full charge.

## Avoid Prolonged Inactivity

- Extended periods of inactivity may lead to battery failure. Ensure the scooter is regularly used or charged.

## Cold Weather Care

- In winter, cold temperatures can cause the battery to discharge more quickly. Keep this in mind when storing or using the scooter in cold environments.

## Storage Tips

- Improper storage can reduce the lifespan of the lithium battery or cause other mechanical issues. Always store the scooter indoors in a cool, dry place to maintain optimal performance.

## Disposal Instructions

- Dispose of the scooter's packaging responsibly: Paper and cardboard should be disposed of as waste paper. Foils should be placed in the recyclable collection bin.

## Declaration of Conformity/Certificates

- Please refer to the enclosed leaflet for details on the product's certificates and declaration of conformity.

# Disclaimer

**Thank you for purchasing and using our C1S electric scooter. To ensure your safety and correct usage of this product, please read all the contents of this manual carefully before use. Please note that the following disclaimer applies to the use of this product, ensuring that you understand the related risks and follow the necessary safety guidelines during use:**

## **1. Product Safety Warning**

This product is intended for use only in accordance with the operating instructions outlined in this manual. Any improper use or failure to follow the operating guidelines may result in product damage, personal injury, or property loss. The company is not responsible for any consequences arising from improper use or neglecting safety warnings (e.g., misuse, speeding, overloading, etc.).

## **2. User Responsibility**

Users must ensure that this product is used correctly according to the requirements and safety tips outlined in this manual (such as regularly checking the vehicle's condition, prohibiting modifications, or altering the product's intended use). The company is not responsible for any damage, accidents, or injuries caused by failure to comply with operational and maintenance requirements.

## **3. Legal Compliance**

When using this product, you must comply with national laws, regulations, and local traffic rules. The company will not be held responsible for any consequences arising from violations of these laws and regulations.

## **4. Scope of Disclaimer**

The company is not liable for any loss or damage caused by natural disasters, abnormal use, accidental events, or unauthorized repairs and modifications (including self-modification of the product and its usage). Users should independently assess whether they meet the required conditions for using the product, such as age, weight, and environmental requirements. The company is not responsible for any accidents beyond the normal scope of use.

# Disclaimer

## **5. Quality and Warranty Terms**

The company provides a quality guarantee and after-sales service for the product, but this only applies to defects under normal use. Issues arising from misuse, improper operation, or third-party interference are not covered by the warranty. The company reserves the right to determine whether to provide after-sales service based on specific circumstances.

## **6. Product Modifications and Changes**

The company reserves the right to upgrade, improve, or modify the product without the obligation to notify users who have already purchased it. The contents of this manual are based on the latest available information. As the company's products are continuously updated and improved, any discrepancies between the manual and the actual product purchased are to be understood and accepted.

## **7. Scope of Disclaimer Applicability**

This disclaimer applies to all actions related to the use of this product, including but not limited to all content in this manual. Any disputes related to this product will be governed by applicable law and resolved by the appropriate judicial authority.