

Electric Bike - User Manual

ETTRONE

Ali

www.etrone.com

ETTRONE

Ali User Manual

Thanks for choosing your new ETTRONE electric bike.

The Ali is in a class of its own, combining a modern and sleek design, powerful 250W motor and unique features.

Enjoy your ride!

*This user manual will guide you through important safety and performance information. Read it before you take the first ride on your new ETTRONE bike, and keep it for future reference.

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1. Safety Reminder

Welcome

This e-bike is a recreational vehicle which requires practice before riding it to its full potential. ETTRONE and/or its subsidiaries and affiliates are not responsible for any property damage, personal injury/death, accidents, or legal disputes caused by violations of the safety instructions presented in this User Manual.

IMPORTANT

The combination of the safety alert symbols and the word  WARNING in this manual indicates a potentially hazardous situation which may result in injury, or is an alert against unsafe practices. Please read this manual carefully and follow the recommendations.

To reduce the risk of injury, adult supervision is required. Never use in roadways, near motor vehicles, or near steep inclines or steps, swimming pools or other bodies of water; always wear shoes and protective gear including a helmet, and never allow more than 1 rider on board.

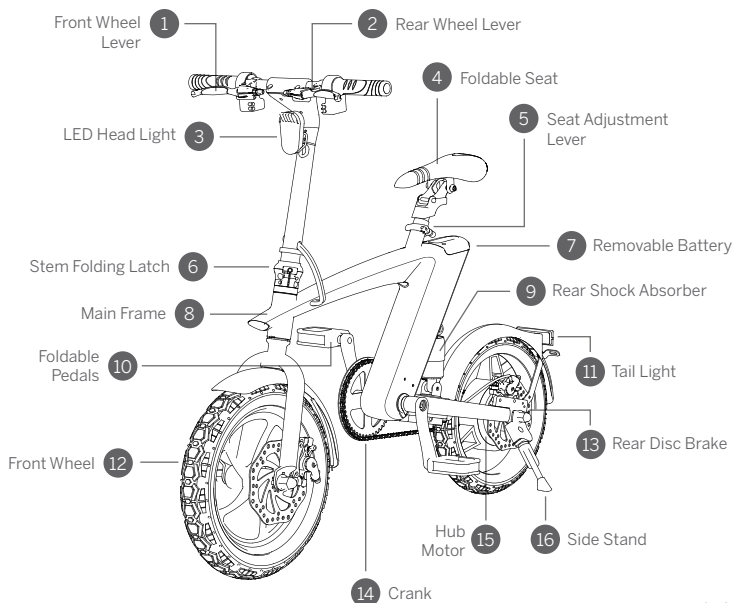
When riding in public spaces always follow and comply with the laws and regulations. Always allow enough distance while braking; higher speeds require a longer distance to come to a stop. Always apply the brakes gradually as sudden braking on low traction surfaces can cause the wheels to slip and potentially fall. Always maintain a safe distance between you and other vehicles or pedestrians.

Always wear an approved helmet which fits properly while riding. Always slow down and yield the right of way to pedestrians and overpass on the left if possible. Check for loose fasteners or hardware and/or any damaged component. If the e-bike is making an abnormal noise stop the vehicle immediately and contact ETTRONE for assistance.

- ETTRONE recommends riders to be 14 years of age or older to ride this e-bike.
- Riders below 18 years old should be accompanied by an adult.
- Please read this manual carefully before you ride your e-bike.

2. Product Overview

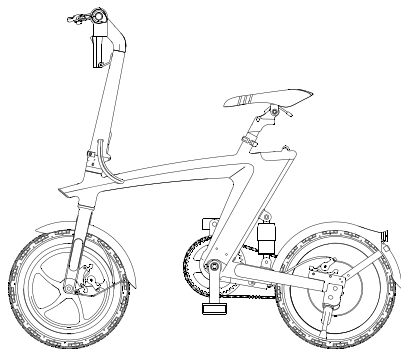
1. Front Brake Lever
2. Rear Wheel Lever
3. LED Head Light
4. Foldable Seat
5. Seatpost Height Lever
6. Stem Folding Latch
7. Removable Battery
8. Main Frame
9. Rear Shock Absorber
10. Foldable Pedals
11. Tail Light
12. Front Wheel
13. Rear Disc Brake
14. Crank
15. Hub Motor
16. Side Stand



3. Packing List

Verify that all items listed are included when unboxing your e-bike. Verify that all parts are in good condition. Retain all packaging materials and original box, in case you need to ship it in the future. Unplug the charging cable before assembling and power off the e-bike.

Electric Bike (1)



Accessories

Foldable
Seat*1



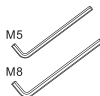
Pedals*2



Charger*1



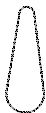
Wrench*2



User Manual*1



Chain*1



Left crank*1



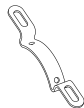
Right crank*1



Crank screw*1

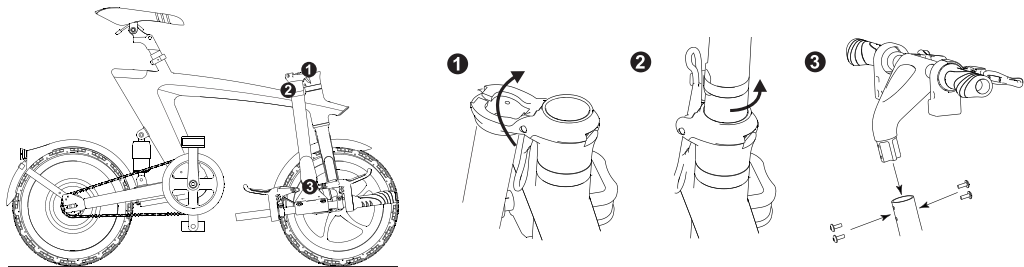


Plate holder*1



4. Assembling Your E-Scooter

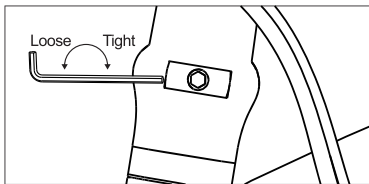
1. Unfold the stem with handlebar by pulling it upwards.



1. Lift the stem and secure the folding latch.

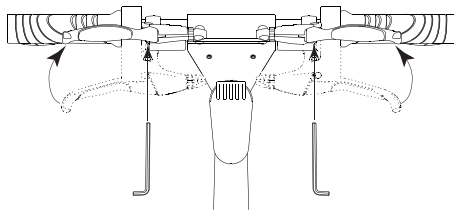
2. Rotate the safety locking ring counterclockwise to lock the latch.

3. Slide the handlebar assembly into the stem hole and secure it with the 4 screws provided.
Tighten securely.



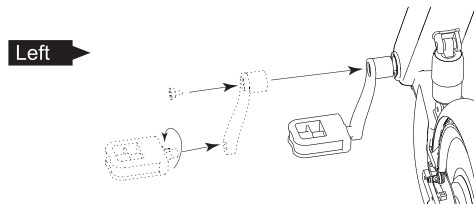
⚠ Check for stem play and adjust if required by rotating the latch bolt as per the diagram. Do not over-tighten to allow proper functioning.

2. Installing the brake levers



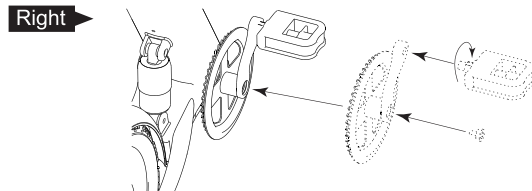
Adjust the brake lever height to your desired level by loosening the bolt and rotating the lever. Tighten the bolts again securely.

3. Installing the Pedals



a. Install the left side crank to the shaft of the e-bike and bolt it in place with the screws provided.

b. Install the pedal marked with "L" on the left crank. Pay attention to the thread direction of the pedal and turn counter clockwise to secure in place.

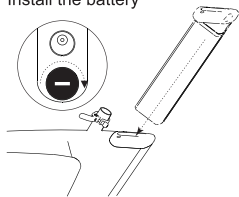


a. Install the right side crank along with the front sprocket to the shaft of the e-bike and bolt it in place with the screws provided.

b. Install the pedal marked with "R" on the right crank. Pay attention to the thread direction of the pedal and turn counter clockwise to secure in place.

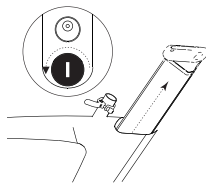
4. Install battery pack

Install the battery



Align the battery with the guides on the frame and slide in gently. Turn the key clockwise to lock.

Remove the battery



Turn the key counter clockwise to unlock the battery. Gently pull the battery out using the battery strap.

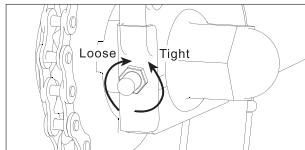
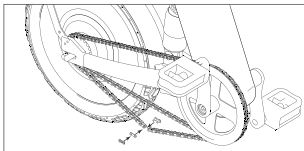
5. Installing the chain

- a. Slide the chain over the the rear sprocket.
- b. Slide the front side of the chain onto the driving sprocket and turn the pedal slowly to accomodate the chain in place.

Chain Tension adjustment:

- a. Use an M9 wrench to loosen the chain tensioner nuts.
- b. Use an M10 wrench to adjust the chain tension as shown in the picture.

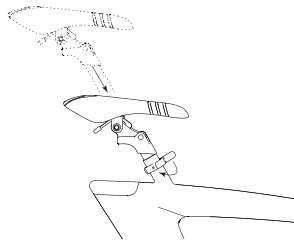
Chain Play: The chain should be able to move 1/4 to 1/2 inch in both directions.



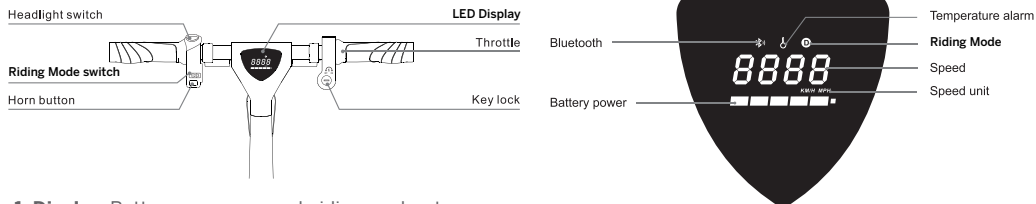
6. Seat Installation

1. Disengage the seat post lock.
2. Insert the seat post into the frame of the e-bike.
3. Adjust the seat to the desired height and tighten the seat post lock.

⚠ NOTE: Do not exceed the seat height limit marked with a line on the seat post to avoid accidents and or damage to the e-bike.



5. Button Instructions & Dashboard



1. Display: Battery power, speed, riding mode, etc.

2. Key Lock: Insert the key, turn clockwise to the ON position to turn on, and turn counterclockwise to the OFF position to turn off.

3. Throttle: Move the throttle to ride in pure electric mode.

4. Headlight Switch: Push the switch to the ON position to turn on the front light, push it to the OFF position to turn off the front light.

5. Photosensitive Switch: When the ambient light becomes dark, the front and rear lights will automatically turn on when the headlight switch is not turned on.

6. Riding Mode Switch: Toggle the switch to any of the 5 available riding modes.

1) Pedal only mode 2) Pedal assist mode level 1 [5mph (7.5 km/h)], 3) Pedal assist mode level 2 [10 mph (15km/h)]

4) Pedal assist mode level 3 [16 mph (25km/h)], 5) Throttle only mode

7. Horn Button: Press the button to activate the horn sound.

8. Front and Rear Brakes: Gradually apply the brake levers, the e-bike will slow down and come to a complete stop.

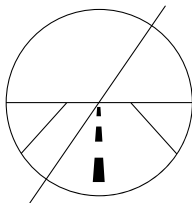
NOTE: The throttle will not work while the brake lever/s are engaged.


6. Warnings

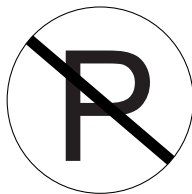
ATTENTION


Not following the following instructions can lead to serious injury/death and damage.

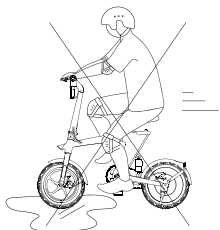
 DO NOT make calls and/or listen to music while riding.



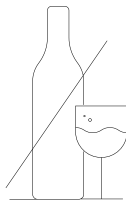
 Please follow the traffic laws and regulations when using electric bikes. It is forbidden to ride electric bikes into the motorway.



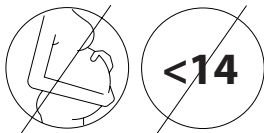
 Electric bikes should not be parked in the building foyer, evacuation corridor or safety exit.



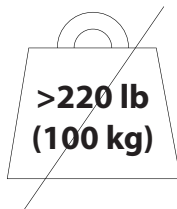
- ⚠ It is prohibited to ride on the road with severe water accumulation. The road condition of the water accumulation is unknown, which may easily cause danger.



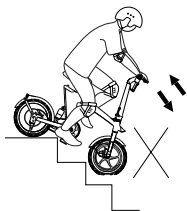
- ⚠ Do not ride if you are under the influence of alcohol or any other drug.



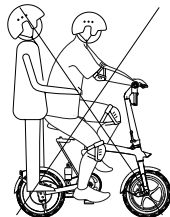
- ⚠ Pregnant women and users under the age of 14 are prohibited to ride.



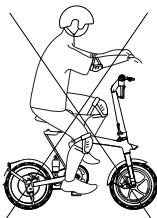
- ⚠ Do not exceed the maximum rated load of 220 lb (100 kg).



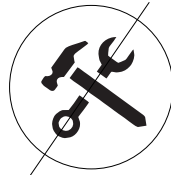
⚠ DO NOT engage in extreme riding.
DO NOT ride up or down stairs.



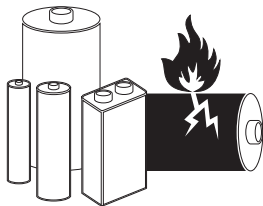
⚠ Only one person is allowed to ride the e-bike at the same time. Do not carry children on arms.



⚠ Hold the handlebar securely at all times with both hands.



⚠ DO NOT modify the electric bicycle by yourself. It may cause unstable operation of the electronic system and cause danger when riding.



⚠ DO NOT modify the battery of an electric bicycle without permission. Modification of the battery is dangerous, and improper operation may cause the battery to explode or catch fire.

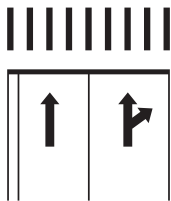


⚠ Please try to avoid riding in rain or snow. If you need to ride, slow down and avoid emergency braking.

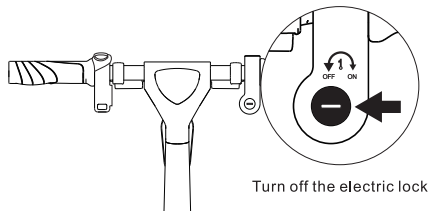


Recommended tire pressure
240 Kpa-310 Kpa

⚠ Adjust the tire pressure to to 35-45 psi
(240Kpa-310 Kpa)



⚠ Be alert! Pay attention to the road and/or obstacles. DO NOT attempt any other activity while driving. Control your speed while riding downhill as the e-bike may obtain higher than normal speeds.



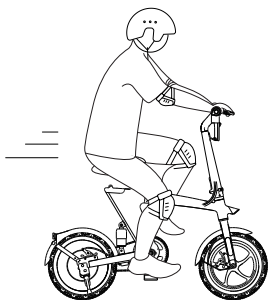
Turn off the electric lock

⚠ Always turn off the key switch to avoid unintended throttle actuation.

7. Go Riding

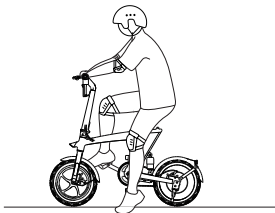
⚠ WARNING

Always wear a helmet, knee pads, elbow pads and other protective gear to avoid injury.

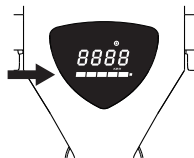
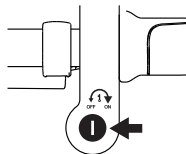


Recommended tire pressure:
240Kpa - 310Kpa | 35 - 45 PSI

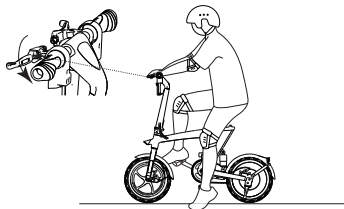
⚠ Before riding carefully inspect the bike to ensure there is no damage or loose parts.



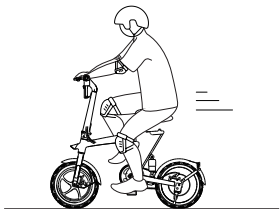
1. Adjust the seat height to ensure a comfortable riding posture. Place your foot on the pedal at the lowest level. Your knee should be flexed and making an angle of about 25-35 degrees.



2. Insert the key, turn the key clockwise to the ON position to turn on the E-bike and check the battery level.



3. Hold the brake tightly, straddle the bike with your right foot, step on the pedal and sit down.



4. Five Riding Modes:

1. Pedal only mode
2. Pedal assist mode level 1
3. Pedal assist mode level 2
4. Pedal assist mode level 3
5. Throttle only mode

1. Pedal Only Mode: The e-bike will operate with pedals only. The key switch must be in the off position.

To activate assistance and power from the electric motor the key switch must be in the on position.

Pedal Assistance is operated via a sensor that detects the pedaling power of the rider and provides electric assistance with the motor reducing the effort required.

The Ali comes with 3 levels of pedal assistance. The left switch has 3 positions marked as (1,2,3) and function as described below:

2. Pedal assist mode level 1.

The E-bike will provide assistance up to 5mph (7.5 km/h)

3. Pedal assist mode level 2

The E-bike will provide assistance up to 10 mph (15km/h)

4. Pedal assist mode level 3

The E-bike will provide assistance up to 16 mph (25km/h)

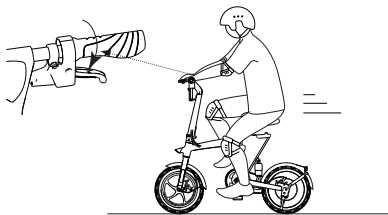
5. Throttle only mode

In this mode the E-bike will operate by twisting the throttle on the right grip of the handlebar reaching a maximum speed of 16 mph (25km/h).


Observe local regulations regarding speed limits and throttle use on E-bikes.

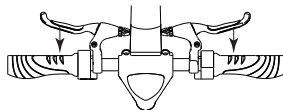


Note: Use the throttle gradually and slowly while learning to ride. Accelerating suddenly and to fast may result in an accident.



- 5.. Slowly release the brake and press the left foot lightly on the ground to make the bike starts to slide forward slowly. At the same time, use your right foot to push forward forcefully. Step on the left foot pedal to start pedaling alternately. Hold the handlebar firmly with both hands.

 **Note:** Use the throttle gradually and slowly while learning to ride. Accelerating suddenly and to fast may result in an accident.



6. Release the throttle to slow down. Use the brakes when required to reduce speed faster or come to a complete stop.



Note

1. Adjust the pressure applied on the brakes based on riding terrain to avoid slipping or under braking.
 2. Use the rear brake in most riding conditions. Apply the front and rear brakes simultaneously only if required or for emergency braking.
- Do not use the front brake only as it may cause front tire slippage and accidents.

8. Battery Information

This section contains battery care, safety and charging instructions. Follow them to ensure the life and performance of your e-bike.

Battery Parameters

| Name | Parameter | Name | Parameter | Name | Parameter |
|---------------|-----------------|----------------------|---------------------|---------------------------------|------------------------|
| Type | Lithium battery | Working Temperature | 32 - 104°F (0-40°C) | Battery Discharge Time (stored) | 3 months (full charge) |
| Charging Time | 8-9h | Charging Temperature | 32 - 104°F (0-40°C) | Capacity | 10Ah |
| Voltage | 36V | Max Charging Voltage | 42V | Max Charging Current | 2A |

Battery Safety & Precautions

Li-ion batteries are made from flammable materials and have the potential to introduce fire and explosion hazards from failure modes that may ignite the battery.

Lithium Ion batteries can be hazardous and cause fires if not used properly. Batteries contain chemicals which can be altered and destabilized if they are exposed to very low or high temperatures causing explosions and fire. Batteries can also explode if they are opened, modified, punctured, dropped or crashed severely.

Please follow these instructions and recommendations to ensure your safety and those around you:

Where to Charge: **DO NOT** charge the battery in a corridor or location that serves as a fire exit. The battery may explode and cause fire and it should not be blocking any exit. **NEVER** charge the battery near combustible materials.

Temperature: It is extremely important to charge, operate and store your battery under the recommended temperature range **32 - 86° F (0 - 35° C)**. Charging, using or storing the battery above the recommended temperature range may cause battery failure.

Unattended Charging: **NEVER** leave the battery charging unattended. **NEVER** leave the battery connected once the battery is fully charged. Unplug the charger once charging is complete.

Battery Integrity: **NEVER** use the battery if you see any visual damage or if you identify a particular odor or if you see any leakage. **DO NOT** use it if you have accidentally dropped or smashed the battery. **NEVER** attempt to open or repair the battery. Visit your local dealer if you suspect anything unusual with your battery.

Transportation and Disposal: Lithium batteries are considered dangerous and hazardous. Please follow local regulations for transportation and/or disposal.

Original Charger: Use only the ETTRONE original charger that is applicable to your vehicle. Using unapproved chargers may result in battery failure, overheating, explosion or fire.

Avoid Water: The battery can explode and catch fire if water enters the battery circuit. Do not leave the battery exposed to the rain, do not clean with a water hose or submerge the battery in any liquid.

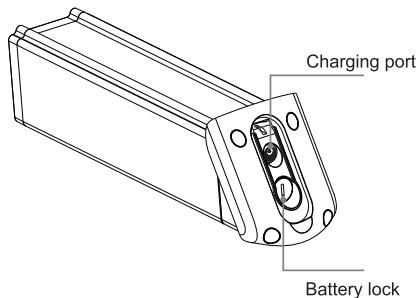
Charging the Battery

Open the dust cover of the battery port and insert the DC plug side of the charger into the battery port. Plug the AC side of the charger to the power outlet.



Note: The charger LED light will show RED when the battery is charging or GREEN when the battery is fully charged.

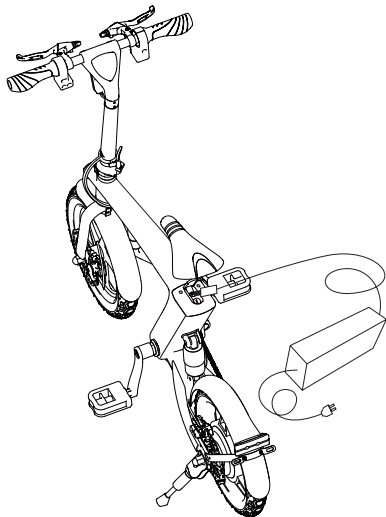
Charging method 1:



Charging method 2:



Use the original ETTRONE charger ONLY
The use of any other not approved charger
will cause damage to the Battery/E-bike
and may lead to explosion and fire.



9. Specifications

| | MODEL NAME | ALI |
|------------------------------|------------------------------------|---------------------------------------------------------|
| Rider Requirement | Payload | 55–220 lbs (25–100 kg) |
| | Recommended Age | 14 + |
| | Recommended Height | 3'11"–6'6" (120–200 cm) |
| Weight and Dimensions | Net Weight | Approx. 44 lbs (20 kg) |
| | Length × Width × Height (Unfolded) | Approx. 46.45 × 18.50 × 42.91 in (1180 × 470 × 1090 mm) |
| | Length × Width × Height (Folded) | Approx. 46.45 × 13.77 × 29.92 in (1180 × 350 × 760 mm) |
| Motor | Type | Brushless Rear Wheel Mounted |
| | Nominal Power | 250 W (0.25 kW) @ 36 V |
| Vehicle Parameters | Max. Speed | 16 mph (25 km/h) |
| | Typical Range | 16 - 40 mi (25-65 km) |
| | Max. Slope | Approx. 15° |

| | | |
|---------------------|-----------------------------|---------------------------------------------------------------|
| | Operating Temperature | 32 - 104°F (0 - 40°C) |
| | IP Rating | IP54 |
| | Charging Time | Approx. 5 - 6 h |
| | Tires | 14*2.00 TUBE TIRES (35 - 45 psi) Front and Rear Disc Brakes |
| | Braking Method | Disc Brake and Foot Brake |
| Battery Pack | Battery Type | Lithium-ion Battery |
| | Nominal Voltage | 36 VDC |
| | Charging Temperature | Recommended: 50–95°F (10–35°C); Maximum: 32–104°F (0–40°C) |
| | Nominal Capacity / Energy | 10000 mAh / 360 Wh |
| | Battery Overload Protection | 70A ±10A |
| Charger | Input Voltage | 100–240 VAC |
| | Output Voltage | 42.4 VDC |
| | Output Current | 2 A |

| | | |
|---------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Others | Riding Modes | Pedal assist model: 1. Pedal only mode 2. Pedal assists mode 1: 5mph (7.5 km/h) 3. Pedal assists mode 2: 10 mph (15km/h) 4. Pedal assists mode 3: 16 mph (25km/h) 5. Throttle only mode |
| | Headlight | LED |
| | Tail Light & Brake Light | LED |
| | Digital Dashboard | LCD Screen Indicates: Riding Mode, Speed, Battery Charge Level, Error Symbol. |
| | Pedal Assist modes icons | No Icon ; White "D" Icon; Red "D" Icon |
| | Frame Material | Alluminium-alloy |

10. Daily Care & Maintenance

Cleaning

- Before cleaning, disconnect the e-bike from the charger. Ensure the power is off, and the charging port cap is covering the charging port completely.
- Use a soft, damp cloth to wipe the frame and body parts clean. You can use a toothbrush to remove hardened dirt or clean hard to reach areas.



WARNING

- **DO NOT** soak/spray/ pour water onto the e-bike to clean.
- **DO NOT** wash your e-bike with a hose or pressure cleaner.
- **DO NOT** use corrosive/volatile solvents including but not limited to gasoline, alcohol, acetone, etc.

Failure to follow any of the above recommendations may lead to permanent damage of the electronic components.

Tires Maintenance

- This e-bike is equipped with tubed tires. When the tire is deflated 20-30% from the recommended tire pressure it needs to be inflated to avoid tube and tire damage and improve battery range. Adjust the tire pressure to 35-45 psi (240Kpa-310 Kpa)

Chain Maintenance

- Lubricate your chain periodically to extend chain life. Use bicycle approved lubricants available at your dealership.
- Inspect chain tension periodically and adjust to ensure a 1/4 to 1/2 inch play in both directions.

Storage

- Store your e-bike in a cool, dry place indoors. Exposing your e-bike to extreme temperatures and direct sunlight for extended periods of time will accelerate the normal aging of the body parts and may also reduce the battery life.
- Charge the battery after each ride and avoid draining the battery completely.
- **DO NOT** charge the e-bike in temperatures outside the recommended limits [see specifications).
- If you plan to store your e-bike for extended periods of time, charge the battery before storing to avoid the battery from being fully discharged for long periods. Charge your e-bike at least once every three months.



WARNING

Do not attempt to disassemble the e-bike, battery or any electrical component as this will void the manufacturer's warranty. Contact ETTRONE for support if required.

11. Contact

Enjoy your ride!

Contact **ETTRONE** for customer service and/or technical assistance.

Have your **serial number** available when contacting us.

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