

NAVEE Electric Sharing Bicycle User Manual

Model: C1/S1

y r **AVEE**

Safety Instructions

Please carefully read this manual before using the product and properly keep it for future reference.

For detailed electronic manual, please visit www.naveetech.com

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Please read the manual carefully and ride the electric bicycle with caution. You should only use the electric bicycle once you understand and are familiar with all safety rules. Any injuries or losses caused by the rider's lack of experience or failure to follow the instructions in this manual are the sole responsibility of the rider.
- Keep plastic items (including packaging materials) and small parts away from children to avoid suffocation.
- This appliance should only be used with the power supply unit provided.
- Wear a helmet, elbow pads and knee pads in case of a fall to avoid injury. Improper driving may lead to falls or serious accidents.
- The appliance should be used by one person only. Do not carry others at the same time. Shoes must be worn while riding. This appliance is not intended for stunts, competitions, transporting goods, or towing other vehicles or trailers.
- This electrically power assisted cycle model is designed and built for outdoor use on public roads or cycle tracks.
- Do not attempt to make the electrically power assisted cycle exceed the performance levels for which it was designed; do not ride on uneven and rough ground (bumpy road surfaces, with potholes, depressions, obstacles).
- People who are not suitable for riding this product include: (1) persons under the influence of alcohol or drugs, (2) persons unable to engage in strenuous physical activities due to health or physical conditions, (3) persons who are incapable of keeping their balance or who cannot keep their balance due to impaired motor skills, (4) persons whose size exceeds the weight limit, (5) women who are pregnant, (6) persons who suffer from visual and/or hearing impairments.
- Comply with local laws and regulations when riding this product. Do not ride where prohibited by local laws, including requirements such as minimum/maximum age of riders, height restrictions, etc.
- When riding in countries and regions where there are no relevant national standards and regulations for electric bicycles, please be sure to strictly abide by the safety requirements for drivers in this user manual. Brightway Innovation Intelligent Technology (Suzhou) Co., Ltd. will not bear any direct responsibility and joint and several liabilities for all property, personal losses, accidents, legal disputes, and all other adverse events that cause conflicts of interest caused by the use of behaviors in violation of the instructions for use.
- Do not ride in traffic lanes or residential areas where vehicles and pedestrians are both allowed. When passing through a place designated for pedestrians who are entitled to the right-of-way laws like crosswalk, please get off to walk along with the electric bicycle.
- Do not choose places where children, pedestrians, pets, vehicles, bicycles or other obstacles and potential dangers may appear for your first ride.
- Check the electric bicycle before every use. When you note any loose or damaged parts, low battery alerts, flat tires, excessive wear, steering failure, strange sounds, malfunctions and other abnormal conditions, stop riding immediately and call for professional support.

- To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.
- Do not ride in bad weather, low visibility, or after intense physical exertion.
- Always park the electric bicycle with kickstand on an even and stable surface.
- This electric bicycle is a leisure device. However, when entering a public area, it will be considered a means of transportation and subject to possible safety risks for all means of transportation. Riding in strict accordance with the instructions in this manual will protect you and others to the greatest extent.
- The user should check the limits of use in accordance with the local regulations. Ride the bicycle on the roads or areas permitted by local regulations and laws and park it in the areas permitted. The maximum speed of the electric bicycle is limited to 25 km/h. If the local regulations and laws have different provisions on the maximum speed, the local regulations and laws will prevail. Please respect and follow the road safety and vehicle rules.
- Respect pedestrians' Right of Way. Whenever possible, pass pedestrians on the left side (applicable in countries/regions where vehicles drive on the right). When facing pedestrians, keep to the right at a low speed. Avoid startling pedestrians, especially the elderly, children, the disabled, and pregnant women. When you ride from behind pedestrians, ring your bell to give them a heads-up and slow down. When passing through a place designated for pedestrians who are entitled to the right-of-way laws like crosswalk, please get off to walk along with the electric bicycle.
- In any case, anticipate your trajectory and your speed while respecting the code of the road, the code of the sidewalk and the most vulnerable. Notify your presence when approaching a pedestrian or cyclist when you are not seen or heard. Cross the protected passages while walking. Avoid high traffic areas or overcrowded areas.
- This product is a vehicle, and therefore, the faster the driving speed, the longer the required braking distance. We recommend you to reduce the riding speed and maintain enough braking distance when riding in bad weather conditions and/or busy traffic.
- Traffic in the city has many obstacles to cross such as curbs or steps. It is recommended to avoid obstacle jumps. It is important to anticipate and adapt your trajectory and speed to those of a pedestrian before crossing these obstacles. It is also recommended to get off the vehicle when these obstacles become dangerous due to their shape, height or slippage.
- Do not lend your electric bicycle to whoever does not know the operations. Before lending it to others, please make sure that the rider has read this user manual and understood the basic operations. Remind riders to wear safety protection correctly to ensure the safety of riders.
- Be extra careful when riding on unfamiliar roads.
- Contact your seller for appropriate training organizations.
- In all cases, mind the safety of yourself and others.
- When riding, hold the handlebar tightly with both hands.
- Do not wear headsets or talk on your mobile phone while riding.
- Do not wear lengthy clothing when riding the electric bicycle to avoid the risk of entangling your wheels or crankset.
- Any load attached to the handlebar will affect the stability of the vehicle.
- Do not touch the brake system, otherwise it could cause injuries due to sharp edges. The brake may become hot in use. Do not touch after use.
- Do not perform any maintenance work after the battery is connected.
- Do not insert your limbs or fingers into any moving parts of the electric bicycle.
- Improper assembly, installation, operation and maintenance of any parts or accessories may lead to serious

personal injuries or even death. Do not modify or transform the vehicle frame or original parts. Otherwise, it may cause damage to the original vehicle and lead to accidents that may threaten personal safety. Improper accessories or incorrect assembly can affect the performance of the product and can make riding unsafe.

- Parts, accessories and any additional items which are not approved by the manufacturer shall not be used.
- If there are any manufacturing defects or if any unusual noises are detected, please stop using the electric bicycle and contact your dealer.
- A-weighted sound pressure level is less than 70dB(A).
- For a better riding experience, it is recommended to carry out a regular maintenance of the product.
- Eliminate any sharp edges caused by use.
- Users are also responsible for providing and installing devices (such as luggage racks, bags, storage baskets, etc.) for transporting objects and animals in accordance with the legal approvals and authorization regulations of the country of use, as well as the allowable structural load limits (maximum load supported by the bicycle and the provided luggage rack).
- Child seats are not recommended. Only NAVEE optional luggage rack (maximum load: 25kg) can be installed. For information on supplying and installing equipment suitable for electrically assisted bicycles, contact your authorized dealer or professional operator.
- Installing accessories and devices on the electric bicycle not only affects the performance and usage of the bicycle, but can also cause damage if they are not suitable, thereby affecting proper operation and safety conditions during use. For information on the supply and installation of devices suitable for electric bicycles, please contact your authorized dealer or professional operator.
- It is strictly prohibited to charge the appliance when the charging port, power adapter, or power socket is wet. Please read the user manual carefully before charging.
- This product contains batteries that can only be replaced by qualified technicians or after-sales service.
- Please charge within the temperature range of 0°C to 40°C. Charging outside the specified temperature range may result in battery damage.
- Ensure that the power of the electric bicycle is turned off during transportation and store it in its original packaging if possible.
- To prevent unauthorized modification of EPAC's drive system to the extent possible, so as not to affect the technical requirements and specifications of its functional security.
- The risk of tamper with any parts and use of parts not authorized by the manufacturer shall be fully borne by the user, and the manufacturer shall not be responsible for this.
- The mechanical vibrations transmitted by electric bicycle are less than 2.5 m/s².
- The braking distance will increase in wet weather.
- The external flexible cable or cord of this transformer cannot be replaced; if the cord is damaged, the transformer shall be scrapped.
- If the external flexible cable or cord of this transformer is damaged, it shall be replaced by the manufacturer or their service agent or a similarly qualified person in order to avoid a hazard.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Please note that it is not possible to explicitly list the installation and maintenance methods for every part of the electric bicycle in this manual. The textual content and technical details in the illustrations may also change. If you encounter any technical issues not explicitly covered in this manual, please contact the customer service personnel for assistance.

- **Warning:** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance. Do not use a battery charger from any other product. Keep a safe distance from the surrounding combustibles when charging.
- **Warning:** Do not use any third-party battery or battery charger. Use only with the FY0844202000 power adapter.
- **Warning!** Keep plastic covering away from children to avoid suffocation.
- **Warning!** Never use the product close to a water source.
- **Warning!** Stop using the product when damaged.
- **WARNING!** As with all mechanical components, EPAC is subjected to wear and high stresses. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches or change of colouring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.
- **Warning!** For composite components impact damage may be invisible to the user, the manufacturer shall explain the consequences of impact damage and that in the event of an impact; composite components should either be returned to the manufacturer for inspection or destroyed and replaced.

Environmental Instructions

The vehicle contains a rechargeable lithium-ion battery pack, and improper disposal of these batteries will cause harm to the environment. Follow the steps below to remove the batteries before disposing of the vehicle and discard the batteries properly:

1. Before removing the batteries, it is better to use them up and make sure the vehicle is disconnected from the power supply.
2. Insert the key into the keyhole of the battery compartment and turn it 90 degrees clockwise to eject the battery.
3. Discard the removed batteries at a professional recycling facility.

IOT Function

1. Product Overview

The IOT device is assembled on the vehicle handle riser, featuring a simple, sturdy, and reliable appearance. The product incorporates built-in functions such as 4G, GPS, BLE, power management, Gsensor, and voice.

When used in conjunction with APPs and servers, it can implement functions such as QR code scanning for unlocking and locking, positioning, trajectory tracking, vehicle information collection and reporting, vehicle control, voice broadcast, etc., meeting the needs of shared rental business.

2. Product Features

Protection Class IPX7

Multi-mode high-precision GPS positioning

BLE 5.2 Communication

4G LTE-Cat-M1 Communication

Voice Announcement

Wide operating voltage

CAN Vehicle Communication

Ultra-low power consumption

III. Function Introduction

Lock and unlock function

The device receives remote lock/unlock commands sent via the APP/server, then controls the external cable lock to lock/unlock accordingly. After a successful lock/unlock operation, it plays the locking voice and reports the result to the APP/server.

Voice Announcement

Voice types: unlocking, locking, vibration alarm, vehicle shutdown, remote vehicle location, etc.

4G communication function

The device uses the TCP communication protocol to connect to the cloud server (requires a SIM card to activate data service), enabling functions such as remote lock/unlock, obtaining battery information, reporting location information, reporting alarm information, heartbeat reporting, obtaining firmware information, and firmware OTA upgrade.

BLE Communication Function

The device can communicate with the mobile APP using BLE to achieve functions such as locking and unlocking, obtaining device information, and OTA upgrades.

Positioning Function

The device is equipped with a multi-mode positioning module, which can obtain the latitude and longitude coordinate information of the device.

The positioning function has two functional modes: single positioning and tracking positioning.

The positioning function needs to receive signals from satellites in the sky, so when the device is parked in a basement, under a bridge, indoors, or under an overpass, it cannot obtain positioning information; when the device is parked under a big tree, on the side of a high-rise building, or in rainy or cloudy weather, positioning drift will occur.

After the tracking and positioning is enabled, the first few coordinates may experience drift, and the server can perform filtering processing.

Vehicle-side communication function

The device supports communication with the vehicle-side controller, controls the controller's on/off state via commands and EN pins, acquires information such as vehicle battery level, range, speed, gear position, firmware version, riding time, riding mileage, etc., and supports 4G/BLE to upgrade the controller firmware.

Instructions for NFC Card

Function Overview

This NFC card supports the following operations through the dashboard's induction area:

Power On/Off: Quickly start or turn off the scooter.

Open the Battery Compartment: Facilitate maintenance personnel to quickly replace the battery.

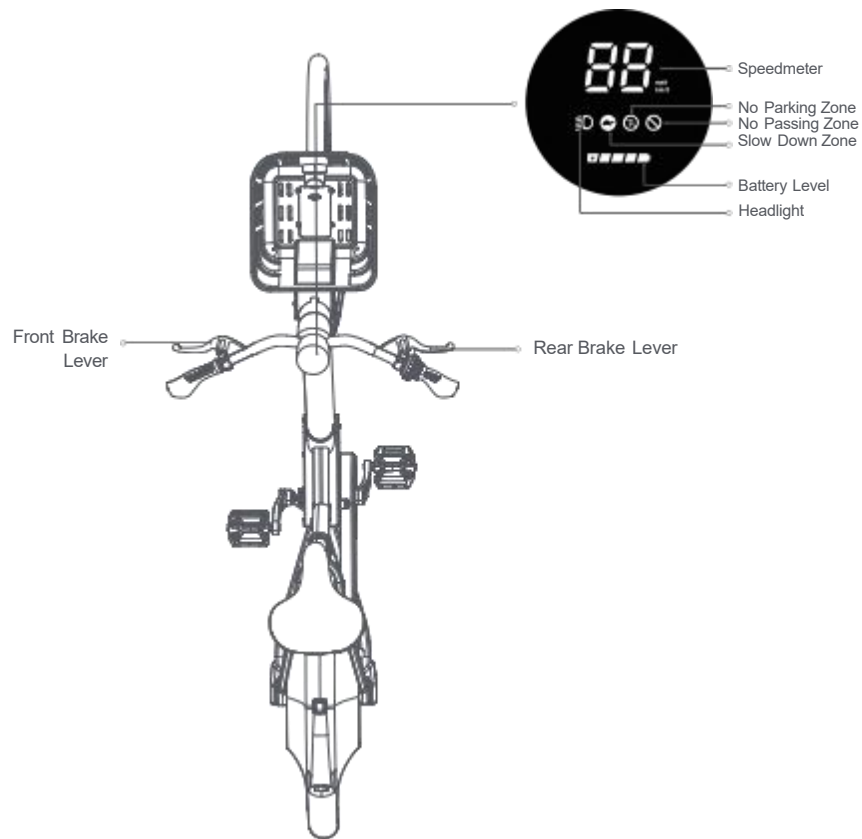
Enter Battery Sleep Mode: Extend the battery's standby time during long-term transportation and storage.

Common Issues

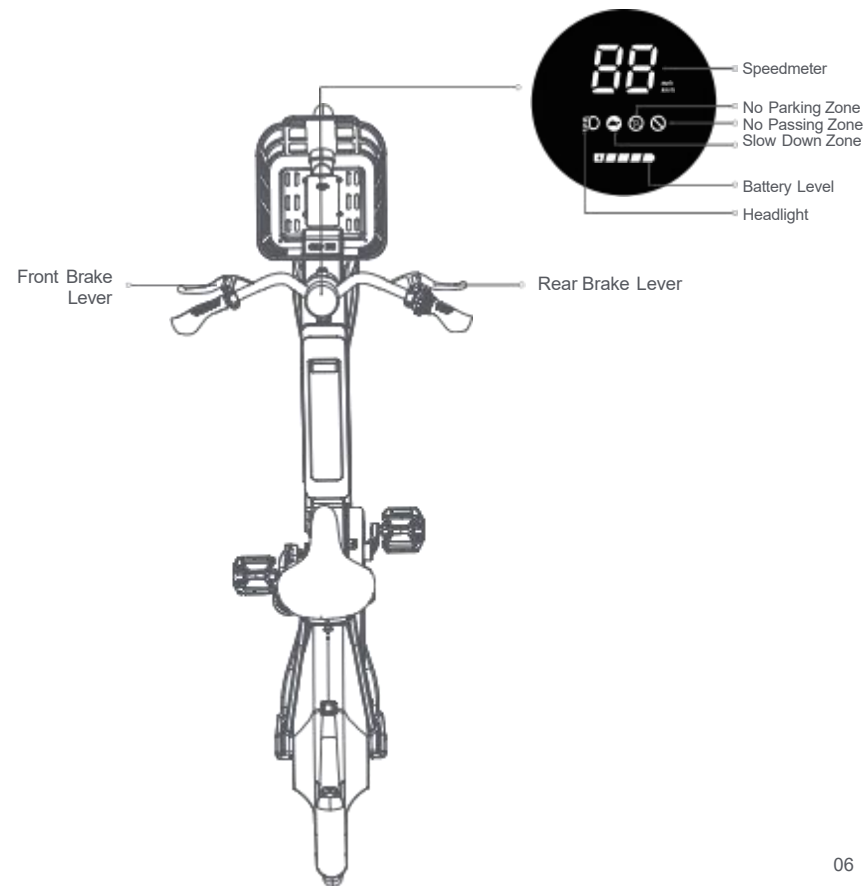
No Response When Swiping the Card: Check if the NFC card is demagnetized or if the dashboard's induction area is clean.

Function Accidentally Triggered: Avoid stacking the NFC card with other electronic devices (such as mobile phones).

Electric Bicycle S1



Electric Bicycle C1



First Use

Check Before Riding

- Before each ride, please check the status of your electric bicycle, including tire performance, remaining battery level and electric bicycle body state, and ensure that no part is loose or damaged.
- Always wear a helmet and suitable protective equipment, but ensure that your view of sight is not affected.

Note:

Before riding the electric bicycle on the road, please understand the local road laws and regulations and strictly abide by them while riding (e.g., riding equipment, control lights, reflectors, etc.).

Please fully charge the battery before the first use of the electric bicycle.

Press or use an instrument to check the tire pressure, ensuring it is within the range of 50-75 PSI/3.4-5.1 BAR.

Operate the shifter to check the lateral movement of the chain on the corresponding chain wheel mounted on the rear wheel, ensuring the gear changes and adjustments are correct. The chain and drive chain wheels should be clean and well-lubricated.

Adjust the saddle height before riding, with the saddle at arm level.

Check the tightness of relevant components of the electric bicycle (front wheel quick release, handlebar, brakes, pedals, etc.), ensuring all parts are securely fastened before starting the ride.

Check the steering of the front wheel, which is critical for braking and riding safety.

Brake settings may vary by country/region, please clarify the direction of front and rear wheel brakes. If they do not match your riding habits, we recommend having a professional technician adjust the brake settings. This will allow for accurate braking of the front and rear wheels in case of emergencies. If you encounter any issues while riding, brake immediately (for better braking performance, brake both wheels simultaneously).

Always maintain a safe braking distance from other vehicles or objects and use the brakes correctly. Adjust the braking distance and braking force to suit your riding environment.

We recommend purchasing insurance specifically for electric bicycle riding in your area to ensure sufficient coverage in case of accidents. Please contact your insurance company or agent promptly.

Maintenance

Regular Checking

To ensure and maintain the good safety and functionality of the electric bicycle, regular inspections and maintenance must be performed. Each maintenance task must be carried out with the battery disconnected.

Different components of the bicycle will experience varying degrees of wear during use. It is particularly important to regularly check and maintain the following components: handlebar steering, tires, wheels, chain and gears, fastening mechanisms, and brakes.

Check the steering of the front wheel, which is critical for braking and riding safety.

Check the tread of the outer tires for wear and cracking. Press or use a tool to check the tire pressure, ensuring proper front/rear tire pressure. The recommended tire pressure range is 50-75 PSI.

The chain and related drive gears are prone to wear due to use. They must be regularly cleaned and lubricated with specific products (drip or spray, dry or wet) suitable for the season. These parts should also be periodically replaced to ensure integrity and smooth operation.

Regularly check the critical fastening mechanisms on the bicycle, confirming if the fasteners are tightened and if the joints are normal. After the initial tightening check before the first ride, check once when the riding distance reached 200 kilometers since the first ride; subsequently, check every 1000 kilometers. If the riding conditions are complex, it is recommended to check every 600 kilometers.

Check if the brake system is working properly. If there are noticeable abnormal noises when braking during the ride, stop riding and promptly seek after-sales service.

After each maintenance or adjustment task, ensure that no tools or foreign objects are left in the moving parts of the bicycle.

Cleaning

If there is not much mud on the frame and the main issue is dust, it can be wiped clean with a cloth or brushed with a large brush.

If there are stains on the body of the scooter, wipe with a damp cloth. If the stains persist, apply neutral soap, brush out with a toothbrush, then wipe with a damp cloth.

After cleaning, check the wear of the brake blocks to ensure proper braking. If there is severe wear, replace the brake blocks promptly. It is recommended to clean approximately every 200 kilometers of riding. If you plan to not ride for a period of time, clean it thoroughly before storing.

Maintenance

WARNING:

All the cleaning operations of the electric bicycle must be performed with the battery removed.
Do not clean with a high-pressure water hose, as high-pressure washing can damage mechanical pivot points and related mechanical fittings.
Do not clean the items with alcohol, petrol, paraffin or other corrosive or volatile chemical solvents to prevent severe damage.

Storage and Transportation

When the product is not used for a long time, do not store it outdoors, under strong sunlight and below zero temperature for a long time. Keep it at least 2 meters away from heat sources (heating equipment, etc.). Store it in a dry, clean, well-ventilated indoor environment with a temperature between 10°C and 45°C and a relative humidity not exceeding 90%.
The product should not come into contact with corrosive liquids and should be protected from any mechanical impact and heavy pressure.

During transportation, it should not be subjected to severe mechanical impacts, exposure to sunlight, rain, chemical corrosive substances and harmful gases.
During loading and unloading, the product shall be handled with care and strictly prevented from falling, rolling and heavy pressure.

FCC Compliance Statement for USA

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

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 a 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.

FCC Note

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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED RF exposure statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Le rayonnement de la classe b respecte ISED fixaient un environnement non contrôlés. Installation et mise en œuvre de ce matériel devrait avec échangeur distance minimale entre 20 cm ton corps. Lanceurs ou ne peuvent pas coexister cette antenne ou capteurs avec d'autres.

Specifications

product	Name	NAVEE Electric Bicycle
	Model	C1
Electric bicycle	vehicle: L X W X H (mm)	1846*1170*690
	vehicle Net weight (kg)	37.3
	Max. Load(kg)	120
	Cut Off Speed (km/h)	25
	IP Rating	IPX5
	charging Time (h)	5
	operating Temperature (, c)	-10 to 40
	storage Temperature (c)	-20 to 45
wheel Motor	output power (kw; W)	0.25; 250
Battery pack	Model	T2309-BA6A
	Nominal voltage (VDC)	36
	Max. charge voltage (VDC)	42
	Rated capacity (Ah)	15.3
	Rated Energy (wh)	550.8
	Normal charging Temperature Range (°c)	0-40
Battery charger	Model	FY1694204000
	Input voltage (VAC)	1 00-240
	Rated output (VDC; A)	42.0; 4.0
Tire	Front & Back Tires	26"×1.75"

Specifications

product	Name	NAVEE Electric Bicycle
	Model	S1
Electric bicycle	vehicle: L X W X H (mm)	1839*700*1150
	vehicle Net weight (kg)	30.3
	Max. Load(kg)	120
	Cut Off Speed (km/h)	25
	IP Rating	IPX5
	charging Time (h)	5
	operating Temperature (c)	-10 to 40
	storage Temperature (, c)	-20 to 45
wheel Motor	output power (kw; W)	0.25; 250
Battery pack	Model	LN-IE-PRO-10SSP
	Nominal voltage (VDC)	36
	Max. charge voltage (VDC)	42
	Rated capacity (Ah)	13
	Rated Energy (wh)	468
	Normal charging Temperature Range (c)	0-40
Battery charger	Model	FY1694204000
	Input voltage (VAC)	1 00-240
	Rated output (VDC; A)	42.0; 4.0
Tire	Front & Back Tires	26"×1.75"

Safety Warning



Danger!
Read user manual before use.



WARNING
Read carefully and keep for future reference.



WARNING
Risk electric shock please do not open for indoor use only



Direct current



Alternating current



CE Certification



Russia Approval



Time-lag miniature fuse-link where X is the symbol for the time/current characteristic as given in IEC 60127



Polarity of the charger output, center positive



WARNING
For indoor use only (for the charger).



WARNING
class II appliance



RCM Certification



uk certification



Bluetooth function



Recycling



waste Electrical and Electronic Equipment



Helmet recommended



18+ only