

# KOOLUX

## Make Every Mile Matter

Pedelec  
with electric drive up to 250W



## Produkt-Model: X9mini

EKM V 5.10.09

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## About the Operating Instruction Manual

Please read the operating instruction manual before use in order to use all functions correctly and safely. This operating instructions does not replace the personal instructions of the specialised dealer who supplied the bike. The operating instruction manual is an integral part of the bicycle. If the bicycle is ever resold, it must be handed over to the next owner.

Please read and observe all accompanying documentation before using the bicycle. The accompanying documentation includes the following types of documents:

- Operating Instruction
- Assembly instruction
- Declaration of conformity

## Security Icons



Use according to instructions



Warning



Caution

### Manufacturer

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## BICYCLE USER MANUAL

The company reserves the right to modify and interpret the product models, specifications or related information mentioned in this manual;

The functions of a specific model mentioned in this user manual are only applicable to that specific model;

The product models, specifications or related information mentioned in this user manual are subject to any modification or change without prior notice;

Without the prior written permission of the company, the contents of this manual may not be copied, modified, reproduced, transmitted or published in any form. Please read this manual carefully before using the product, and operate in accordance with the manual, otherwise the company will not be responsible for product damage or personal and property damage caused by improper use or mistakes.



## IMPORTANT

This manual contains important safety, performance and service information. Please read it carefully before riding your new bike for the first time and keep it as a reference for future reference.

Additional safety, performance and maintenance information for certain parts such as shocks absorbers or pedals on your bicycle may also have been included with your bicycle or the accessories you purchased. Before your first ride, be sure to read all documents provided. If you have any questions about use or service, repair and maintenance, please contact customer service.

## **Statutory Warranty and Guarantee Claim**

### **\*Explanation of statutory warranty**

The manufacturer grants a 24-month warranty (another word for this: liability for defects) on new goods (§439 and 476 of the German Civil Code).

The warranty covers defects that the product already had at the time of purchase. If you discover a defect, you can demand that the manufacturer repair or otherwise improve the product.

If the seller is of the opinion that the defect only arose after the purchase, the buyer must prove this within the first six months. After six months, the burden of proof is reversed. The buyer must prove the defect already existed at the time of purchase.

### **\*Explanation of guarantee**

The guarantee is a voluntary service provided by the manufacturer (manufacturer's guarantee). The duration and conditions are freely determined by the manufacturer.

## **Manufacturer's warranty**

The manufacturer grants a warranty of 2 years on frame breakage and 6 months on the entire bike and its attachments. This excludes all worn parts, such as chains, pedals, toothed belts, tyres, rims, tubes, bearings, derailleur hangers, brake pads, chain wheels, sprockets, bottom brackets, shift and brake cables, shift and brake lines as well as paintwork and stickers. The warranty does not cover any damage caused by not following the assembly instructions or by improper use (jumps, stunts, tricks, wheelies, downhill). The bike is to be used exclusively for private use. Damage caused by renting, leasing or participation in competitions is completely excluded from the warranty. The warranty is invalidated if you carry out repairs, conversions or other modifications to this bicycle yourself without consulting the manufacturer. The warranty is also invalidated if the maintenance intervals specified in this user manual are not adhered to and a careful inspection of your bicycle is not carried out at least once or twice a year.

The original proof of purchase must be kept together with the service booklet in order to safeguard warranty claims. With the purchase, the warranty conditions are recognised in full and without restriction. The following conditions apply:

- No warranty for accidental damage
- No guarantee in the event of improper use
- No guarantee in the event of misuse
- No guarantee in the event of damage due to incorrect assembly
- No guarantee if the inspection and maintenance intervals have not been observed
- No guarantee in the event of loss of components and add-on parts

## GENERAL WARNINGS

Cycling, like any other sport, involves the risk of injuries and property damage. When cycling, you take responsibility for the risk. That's why you should know - and follow - the rules of safe and responsible riding and correct use and maintenance. Proper use and maintenance of your bicycle reduces the risk of injury.

Your electric bike is intended for people aged 16 and over. Regardless of age, riders must have the physical coordination, reaction time and mental ability to ride safely in traffic. The relevant legal regulations on the use of bicycles should be respected.

If you suffer from an impairment or disability, such as poor eyesight, hearing loss, physical impairment, cognitive or speech impairment or a seizures, you should consult your doctor before your first riding.

### **Prohibition of modifications**

**Modifications only permitted by the manufacturer! Modifications made without the manufacturer's consent invalidate the declaration of conformity!**

Unauthorised modifications or changes to the bicycle can lead to serious injury and loss of warranty.

This applies in particular to tampering with and modifying the electric motor and the control unit.

Never modify the control unit or the electric motor.

There are many components and accessories available to improve the comfort, performance and appearance of your bike. However, if you replace components or add accessories, you do so at your own risk. The bicycle manufacturer may not have tested this component or accessory for compatibility, reliability or safety on your bicycle type. Before installing components or accessories, including but not limited to a different tyre size, lighting system, luggage rack, child seat, trailer, etc., check with your dealer that these parts are compatible with your bicycle. Make sure you read, understand and follow the instructions that come with the products you buy for your bicycle.

**Failure to check compatibility, ensure proper installation, operation and maintenance of components or accessories can result in serious injury or death.**

Performance optimisation ( retrofit ) is illegal. According to the German Road Traffic Permit Ordinance (StVZO), EPACs with motors that can accelerate a bicycle beyond 25 km/h are considered motor vehicles and therefore require a driver's licence of class AM/B. The manufacturer does not have a licence to sell motor vehicles. For example, S-Pedelec. As a result, performance optimisation can have the following effects on you:

- The manufacturer's declaration of conformity is invalidated.
- Warranty or liability for defects cannot be claimed.
- Driving without a licence can result in a fine.

### **Qualifications of Persons Using This Product**

These instructions apply to trained bicycle riders. The bicycle rider must have the following knowledge and experience:

- Have been instructed in the use of the bicycle by a professional dealer.
- Know that improper use of the bicycle can lead to accidents.
- Know how to use the bicycle according to these instructions

## Personal protective equipment

- Serious injury or death is possible when riding a bicycle.
- Always wear an approved helmet when riding and follow the manufacturer's instructions in the corresponding manual regarding the adjustment, use and care of the helmet.
- Always wear sturdy shoes with non-slip soles (e.g. profiled rubber soles).
- Preferably always wear gloves.
- Always wear tight-fitting clothing to avoid getting caught in the bike or on objects on the side of the road or path.
- Always wear (clear) glasses that protect against dirt, dust and insects.
- Always wear tinted glasses when the sun is shining.

## Basic security instructions

### Wear a helmet



Always wear a bicycle helmet that meets the latest certification standards and is suitable for your rides. Always follow the helmet manufacturer's instructions for fitting, using and caring for your helmet. Most serious bicycle injuries involve head injuries that could have been avoided if the rider had worn an suitable helmet.

## RIDING SAFETY

Obey all rules of the road and all local traffic laws.

You share the road or path with others - motorists, pedestrians and other cyclists. Respect their rights.

Ride in a defensive manner. Always assume that others are not aware of you. Always look ahead and be prepared to avoid problems from the following situations:

Vehicles slowing down, turning, turning into the road or lane in front of you, or coming up behind you.

- The doors of parked vehicles being opened.
- Pedestrians who appear.
- Children or pets playing near the road.

### **Avoid serious injury or death due to mechanical defects and incorrect use of the bicycle.**

- Always carry out a safety test (see Riding your bike section) before riding your bike.
- Familiarise yourself with the brakes, pedals and gears before riding.
- Always ride at a speed that corresponds to the riding conditions.

## **Avoid electric shock or explosion due to improper handling of the battery and charger. Never open the electric motor, battery or other components!**

Incorrect handling of the battery and charger can result in an electric shock or explosion. This can result in serious injury or death.

- Only use the battery contained in the package.
- Never connect the positive pole to the negative pole of the battery.
- Protect the battery from direct sunlight.
- Do not disassemble the battery.
- Only use the charger included in the package to charge the battery.
- Only use the charger indoors.
- The charger plug is the disconnecting device from the mains supply. Ensure that the socket is located near the charger and is easily accessible.
- Only use the charger with an earthed 220 V mains socket.
- Keep the metal contacts clean; if necessary, clean them with a soft, dry cloth.
- Do not charge a battery with visible damage, e.g. a broken casing.
- Do not use a battery with visible damage, e.g. a broken casing.
- Do not drop the battery.
- Charge the battery in a temperature range between 10°C and 30°C.

Ensure that the charger is only used by persons who do not have limited physical, sensory or mental capabilities.

## **Avoiding fires and explosions**

### **Never clean your bicycle and its components with a water hose, high-pressure cleaner or steam cleaner!**

Moisture, electrically conductive dirt or mechanical damage may cause a short circuit. This may result in the battery catching fire or exploding.

- Only clean the electric motor and the control unit from the outside with a moist sponge. Never use a high-pressure cleaner.
- If you accidentally immerse these components completely in water, disconnect the motor from the battery immediately and do not put it back into operation until it has been checked by the manufacturer.

### **Avoid serious injuries due to body parts coming into contact with the components of the bicycle. There is a risk of injury when reaching into the chain drive. Never touch the chain drive while riding.**

- When riding, parts of the body or other objects may come into contact with the sharp teeth of the chain wheels, the moving chain, the rotating pedals and cranks and the rotating wheels of the bicycle. This can result in serious injury.
- When riding, make sure that your body parts do not come into contact with the mentioned bicycle components.

## **Avoid serious injuries due to damaged components**

When riding off-road or over kerbs, the electric motor, crank or bottom bracket can touch down and be damaged. This can result in serious injury.

- Only use the bike on authorised paths.
- If there are obstacles, step off and lift off the bike.
- If the bike is damaged, have it checked by a specialist dealer.

## **Avoid riding in wet weather**

**Wet weather affects traction, braking and visibility, both for the cyclist and for other vehicles on the road. The risk of an accident is extremely high in wet conditions.**

In wet conditions, the braking performance of your brakes (as well as the brakes of other vehicles on the road) is drastically reduced and your tyres will not grip nearly as well. This makes it harder to control your speed and easier to lose control. To ensure you can slow down and stop in wet conditions, ride at a lower speed and brake earlier and more gently than in normal, dry conditions.

Wet weather can reduce the grip of the rider's feet on the pedals. If your feet slip off the pedals, a fall may occur.

## **Avoid serious injury or death in twilight or at night**

Cycling at night is much more dangerous than cycling during the day. A cyclist is very difficult for motorists and pedestrians to recognise. Therefore, teenagers should never ride at dusk or at night. Adults who have decided to take on the greatly increased risk of riding at dawn, dusk or at night must take extra care and use special equipment to reduce this risk. Consult your dealer for safety equipment suitable for night riding.

- Drive slowly and carefully, but preferably on familiar routes.
- Avoid dark areas or heavy traffic.
- Be predictable in traffic, ride defensively and be visible to others.
- Expect the unexpected conditions, especially in the dark and in poor weather conditions.
- Continue to learn about cycling safety through literature or lessons.

## **Avoid serious injury or death due to damaged, bent or loose reflectors and lights**

Bicycle reflectors catch the light from street lamps and car headlights and reflect it so that you can be recognised as a cyclist. Damaged, bent or loose reflectors can make it difficult for other road users to recognise you.

This can result in serious injury or death.

- Check reflectors and their brackets regularly.

Have damaged, bent or loose reflectors replaced by your specialist dealer.

## **Avoid serious injury if driving off-road or over a kerb when driving on uneven terrain!**

Riding off-road at inappropriate speeds or over curbs may result in falls. In serious cases, this can result in injury or death.

- Always travel at a speed appropriate to the surrounding conditions.

## Avoid serious injury or death by replacing components or adding accessories

There are numerous components and accessories available that can improve the comfort, performance and the appearance of the bicycle. The addition of components or accessories is at your own risk. These components or accessories may not have been tested by the manufacturer for compatibility, reliability or safety. Unconfirmed compatibility, reliability or safety as well as improper installation, use and maintenance of components or accessories and maintenance of bicycle components or accessories can lead to serious injury or even death.

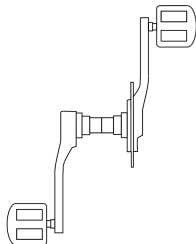
- Always consult your specialist dealer before installing, using and maintaining the component.
- Always read and follow the enclosed instructions for use of the accessories.

## Avoid serious injury due to incorrect maintenance, care and cleaning

Incorrect maintenance, care and cleaning can lead to injury or even death.

- Only carry out the activities listed in the maintenance instructions.
- Only use commercially available lubricants and cleaning products.
- Have other maintenance work and repairs carried out by a qualified specialist dealer.

## Leg Injury Warning



Too little or too much pedal clearance can cause damage to the legs. This may be due to not installing the crankset properly. If the pedal assembly makes riding uncomfortable, please contact the manufacturer and replace the crankset if necessary.

## Vibration Warning

Improper installation, wear and tear, overloading or parts loosening can cause the motor to stop running.

- Use the bicycle only on authorised roads.
- Before each trip, check that the drive operates smoothly.
- If there are cracks, rubbing noises or visible damage, please contact the specialised dealer for repairs.

## Vibration

During normal use, the vibration value of the handarm system is 2.5 m/s<sup>2</sup> and the vibration value of the entire bicycle body is 0.5 m/s<sup>2</sup>. If you feel discomfort due to strong vibrations caused by changes in the road surface, please adjust the speed accordingly.

## Noise

The A- rated emission sound pressure level does not exceed 70 dB(A).

## **Avoid disease**

Long and frequent sitting on the saddle can potentially cause prostate disease in men.

- Install a saddle (if necessary) suitable for female/male ergonomics.
- If necessary, go for preventative care.

## **Avoid dehydration from cycling**

Cycling is a strenuous physical activity.

- Always make sure you are adequately hydrated.

## **Avoid freezing temperatures**

Cycling in cool or cold temperatures can lead to freezing.

- Always wear appropriate clothing, including face protection, in cool or cold temperatures.

## **Avoid falls due to sudden start of electric motor assistance**

There is a risk of losing control and falling due to the sudden start of electric motor assistance.

- Always test the electric motor assistance before your first ride.
- Always wear personal protective equipment (PPE).

## **Avoid poisoning**

Damaged bicycle components (e.g. batteries, electrical or electronic components) may emit material or vapours. This can result in poisoning of the environment.

- Dispose of used batteries and the electrical or electronic components of the bike in accordance with the legal requirements.
- Observe the manufacturer's instructions for these products.

## **! Safety Instructions of Battery**

- Do not open the battery.
- Protect the battery from heat (e.g. prolonged exposure to sunlight), fire and water. Do not store or operate the battery near hot or flammable objects.
- Keep unused batteries away from paper clips, coins, keys, nails, screws or other small metal objects that could cause the contacts to connect.
- Avoid mechanical force, impact or overheating.
- Do not place the charger and battery near flammable objects. Charge the battery only in a dry and fireproof place.
- Do not charge the battery unattended.
- If used improperly, liquid may seep out of the battery. Please avoid contact. In case of accidental contact, rinse with water. If liquid gets into the eyes, seek additional medical assistance.
- Charge the battery only with a suitable original charger.
- Use the battery only with an appropriate original drive system.
- Keep the battery away from children.
- Never transport the battery by yourself! The battery is a dangerous good. Under certain circumstances, it may overheat and catch fire.

## **Safety Instructions of Charger**

- Keep the charger away from rain and moisture.
- Charge only approved and appropriate batteries.
- Keep the charger clean.
- Inspect the charger, cable and plug before each use. Do not use the charger if any damage is found. Do not open the charger.
- Do not operate the charger on extremely flammable surfaces.
- The charger is not intended for use by children or persons lacking experience or knowledge due to physical or mental reasons.

## **Charging the battery**

Risk of the battery exploding if the wrong charger is used. This can result in serious or even fatal injuries.

- Only use the charger supplied.
- Observe and follow the instructions in the charger manual.
- The battery must be charged in a temperature range between 10°C and 30°C.

Charging the battery when it is removed from the charger generally results in a slightly longer battery life as the heat generated during the charging process can be released more easily into the air.

You can charge your battery in two ways. By inserting the battery into the bike frame and by removing the battery from the bike frame.

## **Charging with the battery inserted**

You can charge the battery directly at the charging port of the battery without having to remove it.

## **Charging with the battery removed**

To charge the battery, proceed as follows:

- Remove the battery from the holder.
- Ensure that the battery has no visible damage, e.g. a broken casing.
- Place the battery on a non-flammable surface, e.g. ceramic.
- Pay attention to and follow the instructions in the charger manual, if this is enclosed separately.
- Plug the charger jack-plug into the charging port provided on the battery.
- The charging process takes about 7 hours. When the charging light is green, the battery is charged.

Disconnect the mains plug from the wall socket.

- Remove the jack plug from the battery charging port.
- Place the battery back in the holder.

## **Operating the brakes**

Brakes are there to control speed and not just to stop the bike. The maximum braking force of the wheels is available just before the wheels 'lock' (come to a standstill) and then slip. As soon as the tyre slips, you lose most of the braking power and all control of the bike. You need to practise braking and stopping gently and without locking the wheels. This technique is called progressive brake modulation.

Your bike is equipped with front and rear brakes. The function of the left brake lever is the front wheel brake and that of the right brake lever is the rear wheel brake.

Pull the brake lever towards the handlebars and gradually increase the braking force.

If you feel that the wheel is locking, reduce the braking force so that the wheel can just continue to turn and does not lock.



## Adjusting the brake force



There is an adjustment screw on each of the brake levers with which the tension of the brake cable can be readjusted. Turn this adjusting screw anti-clockwise to increase the tension and clockwise to reduce the tension. There is a locking nut on the adjusting screw which prevents the setting from changing by itself.

## WARNING

► Driving with incorrectly adjusted brakes, worn brake pads or wheels with visible rim wear marks is dangerous and can lead to serious injury or death.

► Braking too hard can lock a wheel, which may cause you to lose control and fall.

Sudden or excessive application of the front brake can throw the rider over the handlebars, resulting in serious injury or death.

► Some bicycle brakes, such as disc brakes and linear-pull brakes, are extremely powerful. Familiarise yourself carefully with these brakes and take particular care when using them.

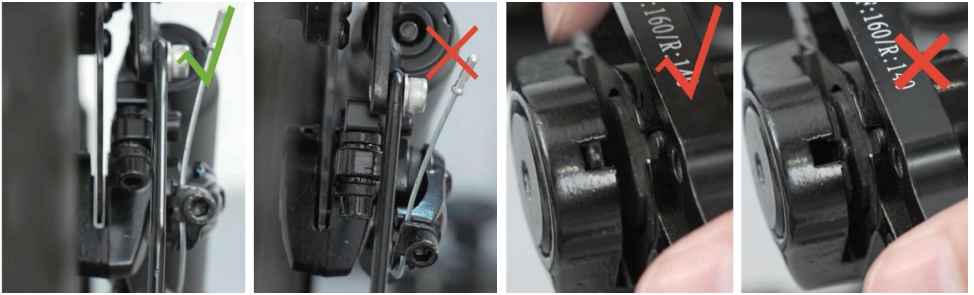
Some bicycle brakes are equipped with a brake force regulator, a small, cylindrical device through which the brake cable runs and which causes the braking force to be applied progressively. Such a brake force regulator makes the initial brake lever force gentler, with progressively increasing force until full braking power is achieved. If your bike is fitted with a brake force regulator, you should take particular care to familiarise yourself with its performance characteristics.

Some brake force regulators are adjustable. If you like the setting of your brakes, please consult your dealer about adjusting the brake force regulator.

Disc brakes can become extremely hot during prolonged use. Do not touch the disc brakes until they have cooled down.

Follow the brake manufacturer's instructions for the operation and maintenance of your brakes and in the event that brake pads need to be replaced. If you do not have the manufacturer's instructions, contact your dealer or the brake manufacturer.

Only use original spare parts authorised by the manufacturer to replace worn or damaged parts.



## Brake controls and functions

It is very important for your safety that you realise which brake lever on your bike controls which brake. Traditionally, the right brake lever controls the rear brake and the left brake lever controls the front brake. To make sure that the brakes on your bike are actually set in this way, press one brake lever and see which brake is actuated, front or rear. Do the same with the other brake lever.

Make sure that your hands can easily reach and operate the brake levers. If your hands are too small to operate the levers comfortably, contact your dealer before you ride the bike. It may be possible to adjust the lever range, otherwise you may need a different brake lever design. Most disc brakes have some form of quick release mechanism to allow the brake pads to release the tyre when a wheel is removed or refitted. If the brake quick release is in the open position, the brakes will be inoperative. Consult your dealer to ensure that you understand how the quick release works on your bike and check the function each time before riding to ensure that both brakes are working correctly.

## How brakes work

The braking performance of a bicycle is a function of the friction between the braking surfaces.

To ensure that maximum friction is always available, keep your rims and brake pads or disc rotor and caliper clean and free of dirt, lubricants, waxes or polishes.

Brakes should control your speed, not just stop the bike. The maximum braking force for each wheel occurs just before the moment the wheel 'locks up' (stops turning) and begins to slip. Once the tyre slips, you actually lose most of your braking power and all directional control. You need to practise braking and stopping without locking a wheel. This technique is called progressive braking modulation.

Instead of pulling the brake lever to the position where you expect to generate adequate braking force, apply the lever to progressively increase the braking force. If you feel that the wheel is starting to lock up, release the pressure slightly so that the wheel continues to turn only just before the locking limit. It is important to develop a feel for the brake lever pressure required for each wheel at different speeds and on different surfaces. To better understand this, try experimenting a little with the bike and apply different pressure to each brake lever until the wheel locks up.

When you apply one or both brakes, the bike will start to slow down. If you now continue to lean your body forwards as if you were riding at the previous speed, this can cause your weight to shift onto the front wheel (or around the front wheel hub under heavy braking, which could send you flying over the handlebars).

A wheel with more weight absorbs more brake pressure before locking, while a wheel with less weight locks with less brake pressure. So when you apply the brakes and your weight is shifted forwards, you have to shift your body backwards to transfer the weight back to the rear wheel. At the same time, you must both reduce the rear wheel braking force and increase the braking force on the front wheel. This is particularly important on downhill sections, as descents shift your weight forwards.

Two keys to effective speed control and safe stopping are controlling wheel lock-up and weight transfer.

This weight transfer is even more effective if your bike has a front fork with suspension. The front suspension 'dips' when you brake and thus increases the effect of weight transfer (see also 'Bicycle suspension').

Practise braking and weight transfer techniques when there is no traffic or other dangers and distractions around you.

Everything is different when you ride on uneven surfaces or in wet conditions. Stopping distance is longer on uneven surfaces or in wet weather. The tyre's grip is reduced so that the wheels have less cornering and braking traction and can lock up with less braking force.

Moisture or dirt on the brake pads reduces their grip. To maintain control on uneven or wet surfaces, you need to brake more gently.

## **Transport**

Do not transport any objects that could restrict your vision or prevent you from fully controlling the bicycle or that could catch moving parts of the bicycle.

When transporting bicycles, there is a risk that the bicycles could tip over, slip or fall out of the means of transport. This could result in serious injury. When transporting bicycles in vehicles or public transport, the bicycles should be secured to prevent them from tipping over, slipping or falling out.

Use an approved, commercially available bicycle rack for vehicles to transport bicycles. If you do not have a bicycle rack, the bicycles must be placed in the trunk, making sure that the bicycles do not rest on the rear derailleur.

Lithium-ion batteries are subject to numerous regulations and are often considered dangerous material by carriers. Inquire about the relevant laws and ask the carrier for authorisation before shipping or transporting a lithium-ion battery by air.

## **Storage**

If you store your battery for a longer period of time (longer than two months):

Remove the battery from the bike.

Lithium-ion batteries are best stored at a charge level of 40%-60%.

Charge the battery to 40%-60% every 30 days during long-term storage. Determine the charge level using the integrated charge indicator on the battery or the battery indicator on the bike. Batteries discharge slowly if they are not used for a long time. If the battery capacity is allowed to reach a critically low voltage, its service life and capacity will be permanently reduced.

Always disconnect your charger from the socket and the battery before storing the battery. Avoid storing your battery in extreme temperatures, either hot or cold.

Batteries are best stored in a shady and dry place. Do not allow accumulation of condensation as this could lead to corrosion or a short circuit.

The recommended storage temperature for lithium-ion batteries is between 0-25°C (32-77°F).

## **Caring for an electric bike**

Maintain your batteries as described in the section 'Battery care and safety'. This is particularly important if batteries are not used for a long period of time.

Regularly check the cables and electrical connections of your bike for damage. Frayed or heat-damaged cables, loose plugs or poor connections might damage the system.

Store your bike indoors. The condition of a bicycle that is exposed to the weather outdoors will deteriorate very quickly. Never cover a stored bike with plastic, as condensation could damage electrical components.

Batteries in particular should be stored in a temperature-controlled, dry environment.

Read all manuals for the components and be careful before using chemicals, paints or cleaning products on the bike's electrical components.

## Battery Maintenance

To avoid shortening the lifetime of the battery, please follow the steps below:

- Charge the battery after riding when the charge is between 30 % and 40 %.
- Make sure that the battery is not completely discharged.
- Fully charge the battery before storing it for an long period of time.
- Store the battery in a dry place with low levels of humidity.
- Keep the temperature between 5 °C and 20 °C.
- Do not expose the battery to direct sunlight or high temperatures, e.g. in a warehouse.
- Make sure that stored batteries are charged at least once a month. Make sure that stored batteries are fully charged at least once every 3 months.

## Motor and Control Maintenance

Moisture, dust or mechanical damage can cause a short circuit. This may cause the battery to catch fire or explode.

- Clean the outside of the motor and control unit only with a moistened cloth.
- If parts are accidentally completely immersed in water, disconnect the motor from the batteries immediately and re-commence operation after inspection by the manufacturer.
- Follow the relevant manufacturer's instructions.

## Riding

Do not use it until you have carefully read the instructions and understood the performance of the product; do not lend it to anyone who cannot manipulate the product for riding. Before riding the bike, check that the brakes are working. When braking, please activate the rear wheel brake first and then the front wheel brake. Make sure that the brakes are tight. If the brakes are too loose, tighten them with an Allan key. When riding in the rain or snow, make sure to increase the braking distance.

Applicable age: Riding between 16 and 65 years.

Please always wear a helmet when riding your bike, obey the traffic rules and do not ride on motorway and roads with lots of pedestrians. Please check the tyre pressure before riding.

The recommended tyre pressure is 15-20 PSI.

When riding downhill and on unpaved roads, ensure that the speed does not exceed 15 km/h. When using the motor, be careful not to hit it too hard and keep the rotation shaft lubricated. It is not allowed to ride with more than the maximum body load (the maximum load is 120 KG) After use, the bike cannot be parked in the building hall, evacuation stairs, safety exits, and must be properly parked in accordance with the safety rules.

## Legal Requirements

If you want to ride your e-bike on public roads, you must equip it in accordance with national regulations. Legally, our 25 km/h models are treated in the same way as bicycles and are therefore subject to the same regulations. In Germany, these issues are regulated by the Road Traffic Permit Ordinance (StVZO) and the Road Traffic Ordinance (StVO).

- Bells
- Two independently operating brakes
- One white headlight at the front
- White reflective front spotlight
- Red light
- Red reflector at the rear of the bicycle
- Yellow reflectors at the front and rear of the pedals
- Two yellow reflectors offset by 180° on the spokes of each wheel or a continuous white reflective stripe in a ring on the tyre.

## Pre-ride Inspection Steps:

- The quick release/centre shaft is securely installed and closes securely.
- Screw connections are neither loose nor rattling.
- The handlebars are securely fastened.
- Wheels and tyres turn easily and run smoothly.
- The tyres are checked for air pressure and condition and the valves are correctly in place.
- Front and rear lights work properly and have been correctly adjusted.
- Brake levers have clear points of tension.
- Brake pads and discs are undamaged and free of oil. They should also be checked for wear.
- The battery must be securely in place when inserted. The battery must engage in the lock and make a clicking sound.
- The permissible total load weight is not exceeded.
- Lights and reflectors are not covered.
- Battery is charged
- Saddle is securely fastened and correctly adjusted
- Pedals are securely fastened

## Check the Tyre Air Pressure

You can find the permissible tyre inflation pressure on the side of the tyre. We recommend using a bicycle floor pump with a pressure meter to check and correct the tyre inflation pressure.

Notes for Schrader valves:

- Unscrew the plastic nut from the valve head.
- Press the valve end gently towards the rim. If there is pressure in the tyre, you will hear air releasing.
- When the inflation process is finished, tighten the plastic nut again.

## Delivery Details

- Bicycle incl. battery
- Battery charger
- Two keys (keep spare in a safe place) for battery removal
- Printed copy of the operating manual
- Two pedals (not installed)
- Front wheel (not installed)
- Front Axle Core
- Mudguard (not installed)
- Assembly Tools
- Pump
- Lock

## Unpacking

The shipping carton is sealed with metal clips. There is a risk of injury when opening and crushing the packaging.

- Open the box
- Remove the bicycle and all accessories from the box.
- Check the scope of delivery
- Dispose of the packaging material in accordance with local guidelines and regulations.

# PRODUCT FUNCTION DIAGRAM



**Figure 1 (Whole vehicle diagram)**

Note: The product upgrade may cause the actual product you receive to be different from the sample in the photo, please don't worry, the specific functions are the same and will not affect your normal use.

- |                        |                  |
|------------------------|------------------|
| 1. Display             | 9. Pedal         |
| 2. Tail lights         | 10. Battery set  |
| 3. License plate frame | 11. Brake        |
| 4. Rear shock absorber | 12. Headlights   |
| 5. Rear fender         | 13. Front fork   |
| 6. Motor               | 14. Front fender |
| 7. Brake disc          | 15. Front wheel  |
| 8. Rear wheel          |                  |



## Parts of KOOLUX X9mini

1. Pedals
2. Mudguard
3. Bicycle multi - function wrench
4. 16 in 1 tool
5. Front wheel set
6. Headlight

# 1.Install the Handlebar Tube



①



②

- 1.Remove the headset top cap plug
- 2.Use a Hex key to loosen the screw shown in the diagram

- 3.Rotate the head tube to the other side
- 4.Tighten the stem bolts on both sides of the head tube



③



④



⑤



⑥

- 5.Use a tool to tighten the screw shown in the diagram
- 6.Loosen the four stem bolts on the head tube



7.Remove the headset retainer



8.Reposition the front light mount to allow free movement of the cable



9.Insert the steerer tube into the head tube recess



10. Install the headset retainer clip



11. Tighten the four bolts on the headset retainer with a tool



12. Tighten the screws on both brake levers to secure them

## 2. Install the front fender and headlight



①



②

1. Release the front light clamp and align both sides to the same height
2. Remove the two side screws from the headlight housing

3. Align the headlight mounting holes with both sides of the bracket (Note: Tighten after installing the mud slab support)
4. Align the arrows on the connectors and push to connect the headlight wiring



③



④



①

1. Remove the center screw from the fork brace



②

2. Align the fender mounting holes with the fork brace holes



③

3. Tighten the screws to secure the fender to the fork brace

### 3.Install the Pedals



①



②

1. Locate the letters R and L embossed on the pedals, where R denotes the right side and L the left side
2. Turn the right pedal clockwise and the left pedal counter-clockwise, then tighten with a tool

### 4.Install the front wheel



①



②

1. Remove the protective cap from the front wheel
2. Inflate the tires to the recommended pressure

3. Insert the bearing into the specified bore of the front hub
4. Remove the plastic protective shim from the front brake



③



④

5. Remove the fork protector brace
6. Align the brake rotor with the brake pads



⑤



⑥

7. Lift the chassis to align the fork with the bearing bolts on the front wheel
8. Tighten the nuts on both sides of the bearing



⑦



⑧

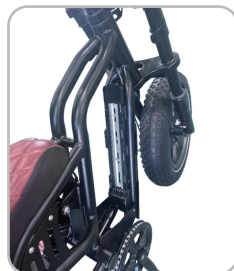
## 5. Install and remove the battery



1. Turn the key all the way to the left.



2. Lift the battery along the battery rail.



3. The battery slots should be installed in line with the battery rail slots.



4. Push down the battery until it fully touches the slide.  
5. Turn the key all the way to the right.



## 6. Turn on and off the bike



1. Turn on the battery switch.  
2. Long press the power button on the instrument panel to turn it on or off.

# Function introduction:





(Picture 1)

1. Charging: Unscrew the plastic cover on the battery (Picture 1), connect the charger to start charging, when the battery is full and the indicator light of the charger changes from red to green, it means it is fully charged.



(Picture2)

2. Power on: Referring to picture 2, long press the  key to power on/off.

3. Headlights: Refer to picture 2, long press the  button to turn on/off the headlights.

4. Start: power-assisted riding, short press  to adjust to 1st gear after power

on, step on the sprocket of the bicycle, and start the motor to assist. If motor assistance is not required, turn off the power or turn off the battery or set the meter to 0.

## Motor

The motor provides you with power when you pedal. You can set the required speed level via the display. The maximum assisted speed of an electric motor is 25 km/h.

## Battery

The electric assist transmission requires a battery for energy support. The battery is located under the frame. The battery can be charged by removing it from the frame using a suitable spanner.

Only use the supplied charger to charge the battery. The battery is equipped with the following connections and indicators:

- Charging socket
- Switch button
- Lock for locking the battery

Lithium-ion batteries are classified as dangerous goods according to transport regulations. If the battery is installed in a bicycle, transport by water and road is permitted. (Please check your local transport regulations). Defective batteries must not be transported and must be disposed of properly!

## **Control Display**

The control display is installed on the handlebars. The maximum effective speed for the speed display function is 25 km/h. Higher speeds cannot be displayed. Do not set the display parameters yourself. If the parameters are set incorrectly, the electronics may malfunction, making the bicycle unusable. In this case, please contact the manufacturer.

## **Shifting Gears**

Your bicycle is equipped with a derailleur. Selecting the correct gears is a prerequisite for a relaxed ride and for the proper functioning of the power assist system. The derailleur gear consists of the following components:

- The sprocket box on the rear wheel
- Rear derailleur
- Single chainring for single crank
- Transmission chain
- Shift lever

Use the plus button to increase your cadence. Use the minus button to decrease your cadence. You cannot change the assistance level when shifting manually. When shifting gears, remove the load from the pedals and pedal lightly. Otherwise, serious damage to the entire drive system can occur!

## **Riding in Assist Mode**

If you have never ridden an electric assist bicycle before, you should first practice riding in Assist Mode on a road clear of traffic. The Assist only starts when you pedal. Sit on the saddle before you start pedaling. Start with the lowest level of Assist Mode and practice normal riding situations such as

- Starting
- Accelerating
- Braking
- Cornering.

When you stop pedaling, the Pedal Assist still provides support for a short time. Therefore, you should stop pedaling earlier than you would on a bike without Assist Mode.

## **Riding in Normal Bicycle Mode**

You can also use the bicycle without an assistance power. Simply switch off the display or set the speed gear to 0 on the display. In this way, you can use the bicycle as if it were unassisted, e.g. when the battery is running out.

# PRODUCT PARAMETERS

<b>Outlook &amp; Dimension</b>	Parameter	Standard Version
	Body Material	iron
	Color	Black/Blue/Pink
	Unfolding Size	1350mm*635mm*1060mm
	Hub Form	Solid wheels
	Wheel Size	16 inches
	Package Size	1200mm*310mm*760mm
<b>Performance Parameters</b>	Gross/net weight	39.7kgs/34.7kgs( 87.5lbs/76.5lbs)
	Maximum Load	120kgs (264.55lbs)
	Maximum Speed	25km/h (15mph)
	Mileage	Pure Electric Mode: 60-80km
	Maximum Climbing Angle	25 degrees
	Proper Temperature	0~40°C
	Waterproof Level	IPX 5
<b>Electrical Specifications</b>	Battery Type	lithium ion power battery
	Battery Capacity	13Ah(624Wh)
	Battery Rated Voltage	48V
	Motor Rated Power	0.25kW
	Motor Form	Brushless geared motor
	Motor Type	Integrated wheel motor
	Motor Rated No-Load Speed	450r/min
	Charger Output	54.6V/2.0A
	Undervoltage Protection Value	54.6V 40-65%
	Overcurrent Protection Value	1.2-1.5
	Charging Time	7 hours

<b>Features</b>	Instrument Display	Multifunctional LCD screen
	Front Lighting	LED
	Braking Method	Mechanical brake
	Tire Specifications	Pneumatic tires
		Tire: 16 x4.0
		Air Valve: 16*4.0 Positioning air valve
Front Fork	Iron fore fork	
Gear	3 Speeds transmission	

**NOTE ON RANGE:**

A pedelec is a bicycle with gradually switchable electric assistance. The range of a battery charge depends greatly on various factors. For example, it drops significantly under the following conditions:

- Longer or continuous riding with a high level of assistance
- Rapid riding style with frequent strong accelerating
- Many slopes and sandy or clayey surfaces
- Higher user weight
- Tyre pressure too low or insufficiently lubricated chain
- Low surrounding temperature.

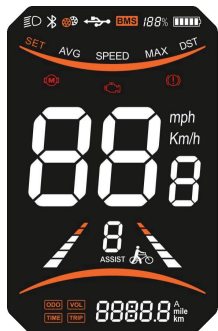
# MANUAL CONTROL INSTRUMENT PANEL INSTRUCTION



**Operating instructions:**

1. Display function  
Speed display, power assist display, power indicator, fault prompt, mileage display, voltage display, single boot time, 3.75mph boost, brake indication, headlight display
2. Control, set function  
Power switch control, headlight switch control, 3.75mph booster setting, 3-speed booster ratio setting, speed display switching, mileage and single boot time and voltage display switching.
3. All contents of the display screen (full display within 1s after booting)

## Introduction to the display



1.



Battery level, BMS , Remaining battery level



2. Multi-function display area

Total mileage ODO, single mileage TRIP (unit: mile, km ), single switch-on time TIME, battery voltage VOL

3. Speed display area



AVG: Average speed, MAX: Maximum speed, SPEED: Current speed; unit mph, km/h

4. Bicycle power-assisted gear adjustment

0-3/0-5 digital display



5. Bicycle status display area



: motor failure;



:Controller failure;



:Brake warning

6. Headlight:












The headlamps display icon, when the headlamps are on, the icon is long lit. When the headlight is off, the icon is not displayed.

## Introduction to the buttons:

The specific combination of button positions are as follows



Specific operation explanation:

1. In the off state, press and hold the  button to turn it on; In the power-on state, short press the  button to switch the display data between ODO, TRIP, VOL, TIME.
2. In the power-on state, press and hold the  button to turn it off, Short press  button, assist gear will be + 1 , Short press  button, assist gear will be - 1.
3. In the power-on state, long press  and  can switch between VAG (average speed), MAX (maximum speed), and SPEED (current speed).
4. In the power-on state, long press the  button to switch on the headlight, long press again to switch off the headlight.
5. In the power-on state, the bike is in no speed state, long press the  button, the bike enters the boost mode, and the gear then switches to the P mode.

## Error codes and troubleshooting solutions

Error code	Code meaning	Inspections
E00		Normal Status
E06	Battery Undervoltage	Check that the battery is fully charged. If this error code still appears after a full charge you need to replace the battery.
E07	Motor Failure	Check the rear wheel motor wiring for damage, if the error code still appears after replugging or damaged, the motor will need to be replaced.
E09	Controller Failure	Check all wiring on the controller for damage, if the error code still appears after replugging or damaged, the controller will need to be replaced.
E10	Communication Receiving Failure	<ol style="list-style-type: none"> <li>1. Check whether there is any damage in the display wire.</li> <li>2. Check whether the controller and display plug connection is intact.</li> <li>3. Unplug the power sensor to see if it reports error, not report that is the sensor short-circuit damage, need to replace the sensor.</li> <li>4. Unplug the motor line to see if the error, not reported that the motor hall short circuit damage, need to replace the motor to solve the problem.</li> <li>5. The above can not solve the problem with the replacement method, replace the controller or display to troubleshoot the problem.</li> </ol>
E11	Communication Sending Failure	<ol style="list-style-type: none"> <li>1. Check whether there is any damage in the display wire.</li> <li>2. Check whether the controller and display plug connection is intact.</li> <li>3. Unplug the power sensor to see if it reports error, not report that is the sensor short-circuit damage, need to replace the sensor.</li> <li>4. Unplug the motor line to see if the error, not reported that the motor hall short circuit damage, need to replace the motor to solve the problem.</li> <li>5. The above can not solve the problem with the replacement method, replace the controller or display to troubleshoot the problem.</li> </ol>

Serial number	Common problems	Solution
1	The tyres are leaking.	<p>1. We recommend deflating the tyre first and then inflating it with professional equipment</p> <p>2. If still leaking, the inner tube needs to be replaced. We can supply the spare parts and let the customer replace it according to our video.</p>
2	Brake noise	<p>Firstly, we should find out where the noise is coming from.</p> <p>1. The noise comes from the tyre brake area -&gt; Let's send the customer a video to adjust the brake noise.</p> <p>2. There is a noise when the handbrake is applied -&gt; let the customer apply the brake several times.</p> <p>3. The disc of the disc brake rubs against the rim. -&gt; Let's check whether the disc is bent.</p>
3	Wheel unstable, wobbly	<p>Tighten the screws that fix the disc brakes. If this does not work, refit the tyres. If it still doesn't work, change the wheel. We can provide spare parts.</p>
4	Display blurred by moisture	<p>If there is moisture inside the display, first place the bike in the sun for a while. If it still does not work, you will need to replace the display. We can provide spare parts.</p>
5	No power when pedalling	<p>1. Check if the display parameter value is the default value.</p> <p>2. If the display parameter value is normal, turn on the display and long press the "-" button to check if the 3.75mph boost is working. If it is working, replace the boost sensor. If it is not working, you also need to check if the display shows the speed value by idling the pedal. If the speed value is displayed, you need to replace the controller. If the speed value is not displayed, you need to replace the display.</p> <p>Note: Display failure requires more detailed judgment to confirm. We recommend that you contact the seller to solve this problem.</p>
6	Problem with the display	<p>Problem with the display</p> <p>1. The display does not show any speed/mileage -&gt; plug the motor connector back in. If it still does not work, replace the motor.</p> <p>2. The display switches off while driving, then switches on again and stays on and cannot be switched off. -&gt; Replace the display.</p> <p>3. The battery shows full charge, but the display shows empty charge and flashes constantly. -&gt; Check the parameters. If it still does not work, change the display.</p>

## Precautions

1. Before plugging or unplugging the display, please be sure to turn off the power first, because live operation will cause permanent electrical damage to the display;
2. When assembling the display, please ensure that the torque value of the reinforced hexagon socket head screw does not exceed 1Nm at most, because excessive torque will cause damage to the instrument structure;
3. Do not soak the display in water;
4. When cleaning the display, you can use a soft cloth dipped in water to wipe the surface, but do not use any detergent or spray liquid on the surface;
5. When discarding, please abide by local laws and regulations, discard or recycle in an environmentally friendly way, and do not discard the instrument or any accessories as residents' garbage;
6. Display damage and failure caused by incorrect assembly or unauthorized change of parameter values are not covered by the after-sales warranty.

## Maintenance and after-sales

### Daily Maintenance and Cleaning

Do not immerse the display in water or use water spray to clean the display. Please use a soft cloth moistened with clean water when cleaning. Do not wipe with any detergent.

### Disposal Notice



Do not dispose of electronic devices and batteries with normal household waste. Opt for a responsible and approved disposal location within your local community, ensuring compliance with prevailing regulations. Should you have any uncertainties, we recommend reaching out to your local authorities for guidance on the appropriate and environmentally-friendly disposal methods.

### Batteries/Rechargeable Batteries



As an end user, it is imperative to adhere to battery regulations, mandating the return of all used batteries. Disposing of batteries in standard household waste is legally prohibited. Look for the symbol on most batteries, serving as a reminder of this regulation, along with information about contained heavy metals. The environmentally friendly disposal of these heavy metals is a legal obligation for end users, who are encouraged to submit used batteries to designated collection points within their city or commercial establishments. In case of doubts, seeking guidance from local authorities is advisable for correct and eco-conscious disposal options.

### Recycling Loop



Packaging material possesses the potential to be reintegrated into the raw material cycle. Ensure the disposal of packaging material aligns with legal provisions, and refer to information available through return or collection systems within your community. This approach guarantees a sustainable and environmentally-friendly contribution to the recycling loop.

## Maintenance Contact information

Thank you for choosing KOOLUX, We provide warranty and lifetime after-sales support for our KOOLUX products. If you have any questions, please contact our after-sales support team. We will provide you with technical support and suitable solutions as soon as possible.

## Declaration of Conformity



**This declaration of conformity is established under the sole responsibility of the**

**EU representative:**

- Company : Brianna Sarl
- Address :6 rue d'Armaillé 75017 Pariss
- Email: info@kuantuscooter.com

**We therefore officially declare that the document is issued under our sole responsibility and belongs to the following product:**

<b>Trademark</b>	KOOLUX
<b>Product model</b>	X9mini
<b>Product Description</b>	Pedelec
<b>Manufacturer</b>	<u>Yongkang Aijiu Industry&amp;Trade Co.,Ltd.</u> <u>Add: Hengyan Industry Area, Zhiying, Yongkang, Zhejiang, China</u> <u>Email: contact@yongkangaijiu.com</u>
<b>Product model</b>	EVE-ICR-18650-13S5P
<b>Product Description</b>	Li-ion Battery
<b>Manufacturer</b>	Anhui yonglida new energy technology co.,ltd Add:Huaiyuan County Economic Development Zone, Anhui Province, CN Email: AHYLDXNY@163.com
<b>Product model</b>	XSL-5460200
<b>Product Description</b>	Battery Charger
<b>Manufacturer</b>	SHENZHEN XIN SHENG LI POWER SUPPLY TECHNOLOGY CO.,LTD Add:1F, NO.17, Wutouling Industry Area Xiakeng Tongdebaolong Longgang Shenzhen, Guangdong, China Email:liqiangqiang08@xvepower.com

**Compliance of the product concerned has been assessed and certified according to:  
For Pedelec**

European Directives	Testing Standards
MD Directive 2006/42/EC	EN 15194:2017+A1:2023 EN ISO 12100:2010
EMC Directive 2014/30/EU	EN 55012 EN 61000-4-2 ISO 11454-1 EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN 61000-4-2:2009 EN 61000-4-4:2012 EN 61000-4-5:2014+A1:2017 EN 61000-4-6:2014+AC:2015 EN IEC 61000-4-11:2020
ROHS 2.0 Directive 2011/65/EU	EN 62321-5:2014 EN 62321-4:2014+A1:2017 EN 62321-7-1:2015 EN 62321-7-2:2017 ISO 17075-1:2017 IEC 62321-6:2015 EN 62321-8:2017

**For Li-ion Battery**

European Directives	Testing Standards
EN 50604-1	EN 50604-1:2016+A1:2021
(EU)2023/1542	PPP 51110B:2024
un38.3	UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.7/Amend1/Subsection 38.3

**For Battery Charger**

European Directives	Testing Standards
LVD Directive (EU)2014/35	EN 60335-1: 2012+A11+A13+A1+A14+A2+A15+A16 EN 60335-2-29: 2021+A1 EN 62233: 2008

Notify body :

Shenzhen STL Testing Technology Co., Ltd.  
TÜV SÜD Certification and Testing(China)Co

*For and on behalf of  
BRIANNA SARL*

*Shuai Wei, CEO  
26.05.2025*

*Authorized Signature(s)*

## Declaration of Conformity



**This declaration of conformity is established under the sole responsibility of the**

**UK representative:**

- Company : MASILI SOLUTIONS LTD
- Address : OFFICE 11, AUSTIN COURT 64 WALSALL ROAD SUTTON
- COLDFIELD UNITED KINGDOM B74 4QY
- Email: [info@kuantuscooter.com](mailto:info@kuantuscooter.com)

**We therefore officially declare that the document is issued under our sole responsibility and belongs to the following product:**

<b>Trademark</b>	KOOLUX
<b>Product model</b>	<u>X9mini</u>
<b>Product Description</b>	Pedelec
<b>Manufacturer</b>	<u>Yongkang Aijiu Industry&amp;Trade Co.,Ltd.</u> <u>Add: Hengyan Industry Area, Zhiying, Yongkang, Zhejiang, China</u> <u>Email: <a href="mailto:contact@yongkangaijiu.com">contact@yongkangaijiu.com</a></u>
<b>Product model</b>	EVE-ICR-18650-13S5P
<b>Product Description</b>	Li-ion Battery
<b>Manufacturer</b>	Anhui yonglida new energy technology co.,ltd Add:Huaiyuan County Economic Development Zone,Anhui Province,CN Email: <a href="mailto:AHYLDXNY@163.com">AHYLDXNY@163.com</a>
<b>Product model</b>	XSL-5460200
<b>Product Description</b>	Battery Charger
<b>Manufacturer</b>	SHENZHEN XIN SHENG LI POWER SUPPLY TECHNOLOGY CO.,LTD Add:1F, NO.17, Wutouling Industry Area Xiakeng Tongdebaolong Longgang Shenzhen, Guangdong,China Email: <a href="mailto:liqiangqiang08@xvepower.com">liqiangqiang08@xvepower.com</a>

**Compliance of the product concerned has been assessed and certified according to:**

**For Pedelec**

European Directives	Testing Standards
MD Directive 2006/42/EC	EN 15194:2017+A1:2023 EN ISO 12100:2010
EMC Directive 2014/30/EU	EN 55012 EN 61000-4-2 ISO 11454-1 EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN 61000-4-2:2009 EN 61000-4-4:2012 EN 61000-4-5:2014+A1:2017 EN 61000-4-6:2014+AC:2015 EN IEC 61000-4-11:2020
ROHS 2.0 Directive 2011/65/EU	EN 62321-5:2014 EN 62321-4:2014+A1:2017 EN 62321-7-1:2015 EN 62321-7-2:2017 ISO 17075-1:2017 IEC 62321-6:2015 EN 62321-8:2017

**For Li-ion Battery**

European Directives	Testing Standards
EN 50604-1	EN 50604-1:2016+A1:2021
(EU)2023/1542	PPP 51110B:2024
un38.3	UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.7/Amend1/Subsection 38.3

**For Battery Charger**

European Directives	Testing Standards
LVD Directive (EU)2014/35	EN 60335-1: 2012+A11+A13+A14+A2+A15+A16 EN 60335-2-29: 2021+A1 EN 62233: 2008

**Notify body :**

Shenzhen STL Testing Technology Co., Ltd.  
TÜV SÜD Certification and Testing(China)Co., Ltd

*For and on behalf of  
MASILI SOLUTIONS LTD*

*Jun Liang . CEO  
21.05.2025*

*Authorized Signature(s)*



## **Return of E-bikes**

Only use the shipping carton that the E-bike was delivered in. Be careful to protect the E-bike from impact when packing it. When returning, the battery must be inserted into the battery holder provided with the bicycle and locked.

## **IMPORTANT**

E-bikes with batteries that have mechanical or electrical defects may not be shipped. Please contact the manufacturer's customer service department for more information.

## **Battery Returns**

Pack the battery in a padded bag to protect it from impacts and external influences.

If your battery has visible damage or indicates electrical defects, it is generally not allowed for shipment. Please contact our service team and dispose of the battery properly.

# Warranty Card

## Customer Information:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State/Province: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

## Bicycle Information:

Model: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

## Instructions:

Please fill in the customer and bicycle information above.  
Keep this warranty card in a safe place.  
Present this card along with proof of purchase for any warranty service.  
This warranty card is valid for the warranty period specified.

## Important:

This warranty card is non-transferable.  
For warranty service, contact the authorized dealer/center listed above.  
This simple warranty card template provides a space for customers to fill in their personal details, bicycle information, and warranty period. It also includes instructions for use and a section for the customer's signature, ensuring that the warranty is personalized and official.