



— CARGO E-BIKES —



HAUL'R
ELECTRIC BIKES

ESP3

Haul'r PAS E-Bike User's Manual

www.atmosecargobike.com

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Velo saddle

Tektro hydraulic disc brake

Foldable stem

Seat post

BUCHEL headlight

Massload kickstand

Foldable front basket

Cargo front fork

Shimano Sora 9 speed

Uno ultra light handlebar kit

Shimano sora 9 speed shifter



6061 aluminum alloy frame

Taillight

Sks fender

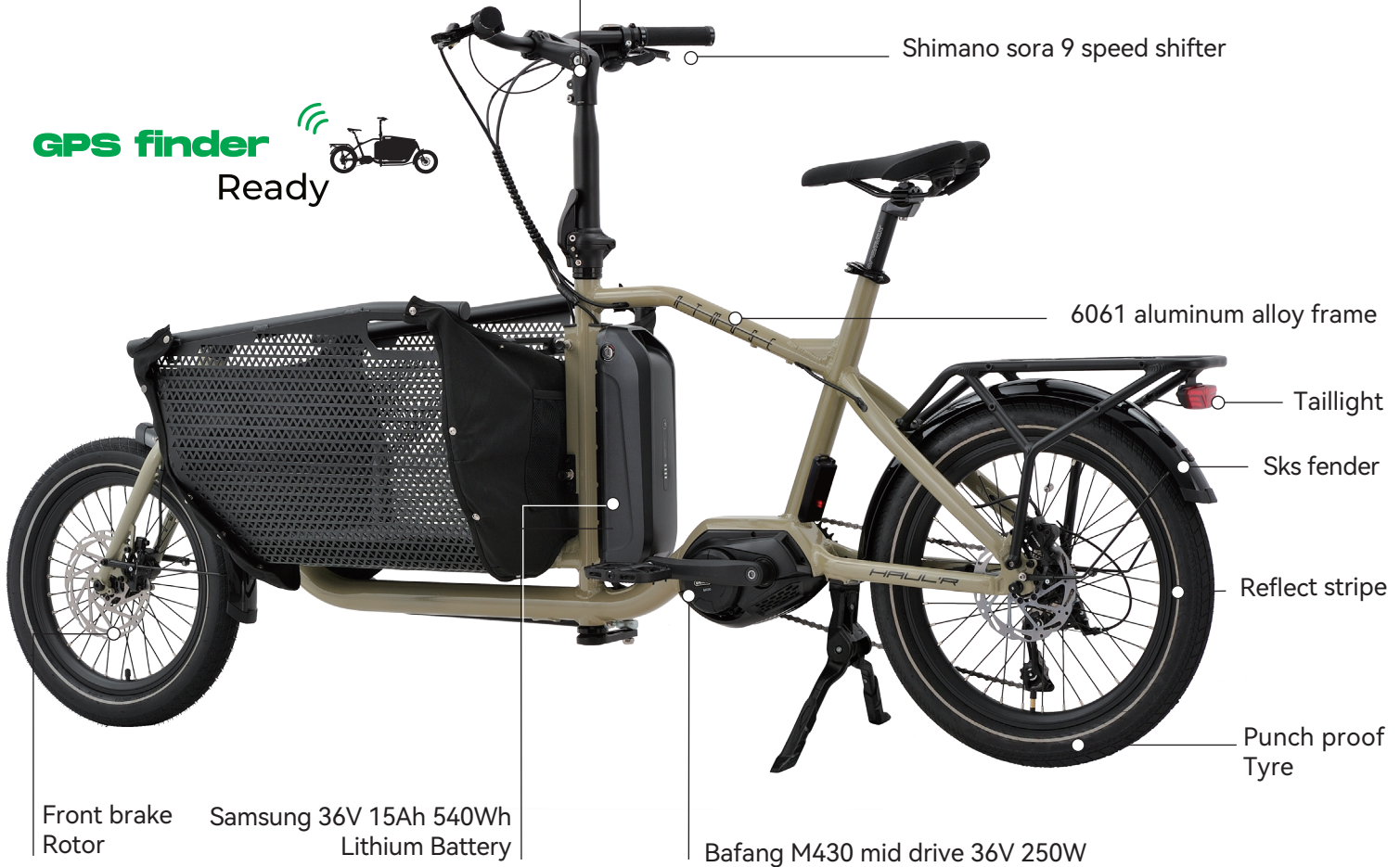
Reflect stripe

Punch proof Tyre

Front brake Rotor

Samsung 36V 15Ah 540Wh Lithium Battery

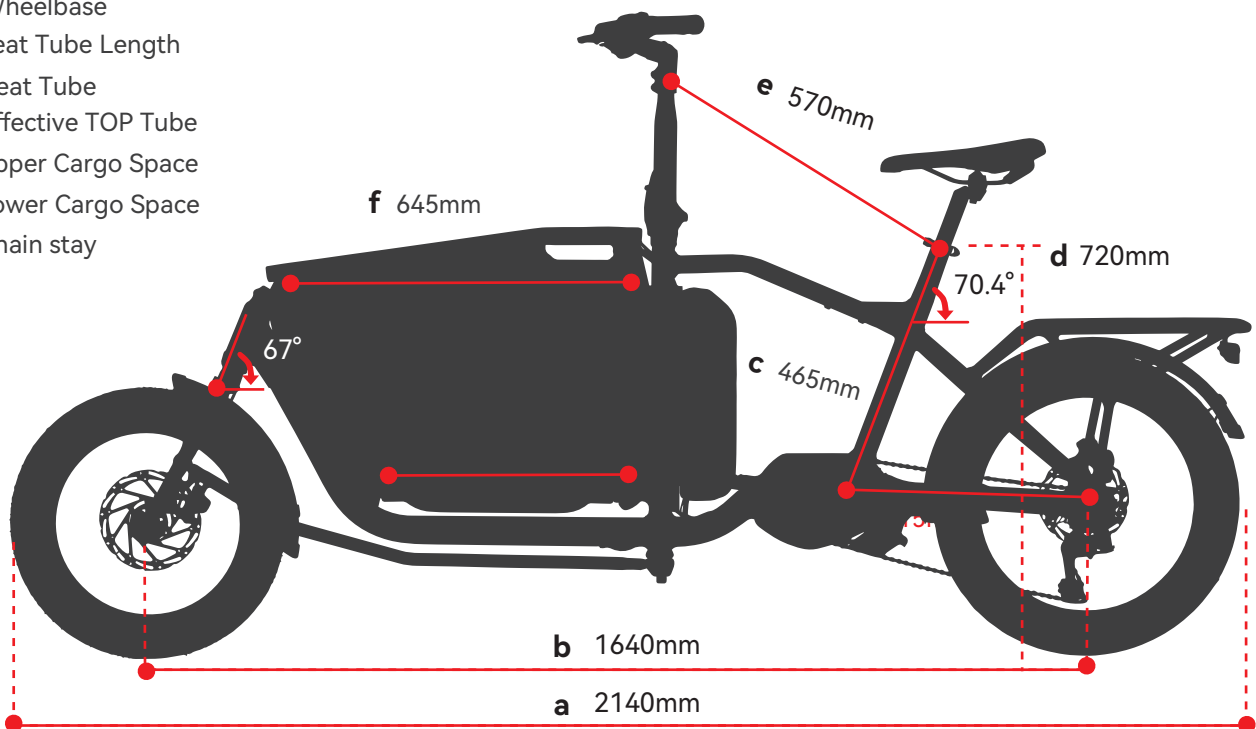
Bafang M430 mid drive 36V 250W



HALL'R	ESP3
Bike Size	
Effective TOP Tube	570mm
Seat Tube	720mm
Angie	67°
Seat Tube Angle	70.4°
Chain stay	415mm
Head Tube	100mm
Wheelbase	1640mm
Bike Length	2140mm
Upper Cargo Space	645mm
Lower Cargo Space	500mm
Color Options	Green/Orange/Grey
Rider Height	160cm - 200cm
FRAME KIT	
Frame	6061-T6 Aluminum with Disc Tab
Fork	Cr-Mo 1.5" Threadless with Disc Tab
Folding basket	Included

*Due to batch differences, the product stickers and packaging might be slightly different, but the configuration is the same and does not affect the use.

- a:** Bike Length
- b:** Wheelbase
- c:** Seat Tube Length
- d:** Seat Tube
- e:** Effective TOP Tube
- f:** Upper Cargo Space
- g:** Lower Cargo Space
- h:** Chain stay



HAUL'R	ESP3 Mid motor drive
COCKPIT	
Headset	Neco Bearing Threadless
Stem	JL-WW25-300L
Handlebar	UNO- HBTRI $\phi 25.4 * \phi 22.2 * W640$
Grip	Velo VLG-775 with clamp
Saddle	VL-6142
Seatpost	PROMAX-SP-252 $\phi 28.6 * 450mm$
BRAKE KIT	
Levers	Tektro Hydraulic Disc Brake
Brake	Tektro Hydraulic Disc Brake
Rotor	Tektro F180 R160
TRANSMISSION	
Motor System	Bafang M430 36V 250W mid-drive motor (IOT) 
Battery	Samsung 36V 15Ah 540Wh Lithium Battery
PAS	Torque sensor
Display	TFT Display
Front&Rear light	BUHEL (shiny 50)/ VIVO XE
Range per charge	80km
Max Speed	25 km/h
Rear derailleur	Shimano RD-R3000-SS 9S
Shifte lever	Shimano ASLM3100RC
Sprocket	Shimano ACSHG2019132-9S
Crankset	SR SD021CW
Chain	KMC Z99
Pedals	BST-200
WHEELS	
Rims	P25DE Double Wall (32H Front/36H Rear)
Hubs	Quick Release Loose Ball Bearing
Tires	Innova F 18*2.4 R 20*2.4
WEIGHT SPEC	
Bike Wight	35KG
Max loading weight	145KG for Rider, 35KG for Basket



An E-Bike is a bicycle with an electric drive system that provides auxiliary power to the rider.

1.1. E-BIKE PAS SYSTEM

Precautions

***Please ensure the proper use of the electric power system and battery to prevent any damage.**

ATMOSE Haul'r E-Bike ESP3 is a PAS (Pedal-Assist System) electric-assisted bicycles, all equipped with an advanced electric-assisted drive system. This drive system comprises a motor, a battery, and a control panel mounted on the handlebars.

The electric drive propels the bicycle via a chain or belt drive.

When you commence pedaling, the electric-assisted system automatically engages to provide support. Conversely, when you cease pedaling or when your speed surpasses the system's allowable limit of 25 km/h, the electric-assist system discontinues its support.

You have the flexibility to adjust the assistance level across five gears (1 to 5) using the control panel on the handlebars. Additionally, you can deactivate the assistance feature, allowing you to ride the electric-assisted bicycle as you would a conventional bicycle.

It is imperative to charge the battery using the original charger provided. Pedaling alone does not recharge the battery.

1.2. Brake system

Based on the specific type of your e-bike, it may come with either disc brakes or rim brakes. The demonstration e-bike featured on the inside cover of this manual is equipped with disc brakes.

WARNING

Always wear protective clothing, a helmet and other safety equipment(s) to prevent serious injury in the event of an accident.

Observe and follow all instructions from the helmet manufacturer.

Before every ride, a safety check must be performed.

Only use your e-bike for the intended riding method.

Never ride under the influence of alcohol, drugs or prescription medications.

Off-road riding is more dangerous and requires a higher level of riding skills.

Practice on flat terrain first to ensure that you can avoid serious injury.

When riding at night or in poor visibility, make sure you are visible to other drivers and other vehicles. Do not ride unless your lighting system is on and fully operational.

After a fall or accident, have your e-bike inspected by an authorized dealer and, if necessary, repaired to ensure safety and prevent further accidents.

2.1. Safety Equipment

Protective gear for every part of your body is crucial. Always wear riding gloves, sturdy shoes, and goggles.

Riding without proper protective clothing and gear greatly increases the risk of injury.

2.2. Who can use an e-bike?

The minimum age requirement to ride an e-bike is 16 years.

All riders must be in good physical and mental health to control an e-bike. They must safely obey local traffic rules and all other applicable laws and regulations.

2.3. Safe riding and accident prevention

1. Check the condition of the bicycle before each use.
2. Adjust your riding style and speed according to weather and road conditions.
3. Do not overestimate your riding ability.
4. Avoid riding on slippery surfaces and in conditions of poor visibility. Be extra careful in the rain and on wet or loose surfaces such as sand and gravel, which increases the risk of slipping on curves or falling when braking.
5. Always safely follow the traffic rules of your region and country.
6. Never ride under the influence of alcohol, drugs or prescription medications.
7. Exercise caution, as plastic and rubber pedals tend to become extremely slippery when wet. This can cause your feet to slip, potentially leading to serious injury.
8. If the pedals on your e-bike are equipped with rubber or plastic toe cages, familiarize yourself with the grip they provide in advance.

2.4. Safe off-road riding

Off-road riding of an e-bike presents heightened risks, necessitating advanced skills and some preliminary practice on level ground.

Prior to venturing off-road, it is advisable to acquaint yourself with your e-bike's handling on flat terrain.

Constant vigilance of ground conditions is imperative during off-road rides, as these can alter abruptly.

Be alert for animals and other individuals in your path. Avoid riding solo in secluded areas.

2.5. Legal requirements

Please familiarize yourself with and adhere to the local laws and regulations concerning the use of e-bikes beforehand. Be aware that different locations may enforce varying rules regarding the maximum assisted speed of e-bikes. To ensure your safety while riding, it is crucial to strictly comply with these local laws and regulations.

Different countries and regions may have distinct laws and regulations pertaining to helmet usage, the necessity of a driver's license, and speed limits for e-bikes. Regardless of legal requirements, always wear an appropriate safety helmet.

Please note that e-bike riding is not permitted everywhere. It is the rider's responsibility to thoroughly understand and comply with all relevant laws and regulations.

2.6. Intended Use

WARNING

Electric bicycles are not suitable for all usage scenarios. Please ensure they are used reasonably within the appropriate scope of the bicycle.

Select the type of electric bicycle that best aligns with your specific usage needs.

Using an electric bicycle for purposes other than those intended can be extremely hazardous.

2.6.1 Maximum load and allowable load

WARNING

Prevent accidents, severe injuries, and damage to your e-bike; avoid overloading your e-bike at all times.

Always adhere to the maximum permitted weight limit for your e-bike and ensure you never surpass it.

Your e-bike has a specified maximum weight limit. Always adhere to this weight restriction. Overloading the bike or using it improperly can lead to accidents and cause significant damage to the e-bike.

The maximum weight encompasses the combined weight of the rider, and any load placed on the frame and basket.

If you utilize your e-bike for purposes beyond its intended use, fail to adhere to the safety guidelines, or operate it improperly, the manufacturer will not be held responsible, and your warranty will be invalidated.

Furthermore, the manufacturer shall not bear liability or offer warranty service in instances of improper installation, intentional misuse, accidental occurrences, or failure to comply with maintenance instructions and schedules.

2.7. The service life of electric bicycles and their components

WARNING

E-bikes, like any vehicle, are susceptible to wear and tear.

It is crucial to bring your E-bike to an authorized dealer for routine inspections and prompt replacement of safety-critical components, such as handlebars, stems, or suspension forks. As the product reaches the end of its lifespan, E-bike parts may experience sudden failures, which can result in falls and severe injuries.

The product lifespan of ATMOSE electric-assisted bicycles is 10 years or 30,000 kilometers under moderate usage. However, the wear and tear of these bicycles is significantly influenced by factors such as load, road conditions, and riding style.

When your electric-assisted bicycle is frequently subjected to high stress (e.g., a total vehicle load exceeding 180 kg, riding on unpaved or gravel roads, or operating in dirty and corrosive environments), you may observe that its service life diminishes to around 15,000 kilometers.

Upon reaching the end of its product lifespan, your electric-assisted bicycle is no longer suitable for riding and poses safety risks.

Please be aware that certain components, including handlebars, stems, forks, and brakes, have a considerably shorter service life. The actual longevity of these components is also contingent on the aforementioned conditions. It is advisable to consult your authorized dealer, who can inform you about the necessity and timing of component replacements.

3.Ebike Assembly



3.1.Handle bar install

Upon receiving the goods, you will find that the handlebars of the electric bicycle have been folded due to packaging constraints. To ensure proper installation, please adhere to the following steps:

- Lift the folded handlebar upright, then firmly push the locking lever upward until you hear a click – the folding stem is now securely locked.



3.2.Cargo Steering Stem Installation

Due to packaging constraints, the cargo steering stem is partially secured. Please proceed with the complete installation in the following sequence:

- Pull the cargo steering stem firmly to its highest position.



3.E-bike assembly



- Tighten the screws on both sides securely.




3.3.Pedals installation

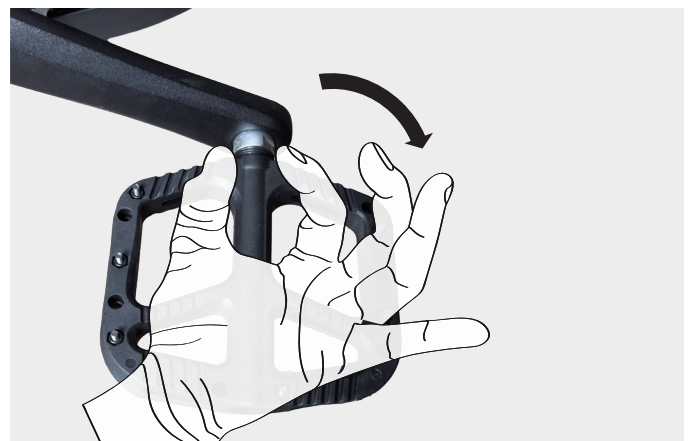
Due to packaging constraints, the pedals are not pre-installed upon delivery. Please adhere to the following steps for their installation:

- There are 2 pedals in the package, please see above the thread of each pedal, marked with “CR-R” (right pedal) and “CR-L”(left pedal).




- **Right pedal installation**

Place the right pedal marked **R** into the right crank arm, align it with the round hole, and rotate it clockwise  by hand until it cannot be rotated by hand.



3. 产品安装



- Finally, use a wrench to tighten it clockwise  and lock it. The installation of the right pedal is completed.




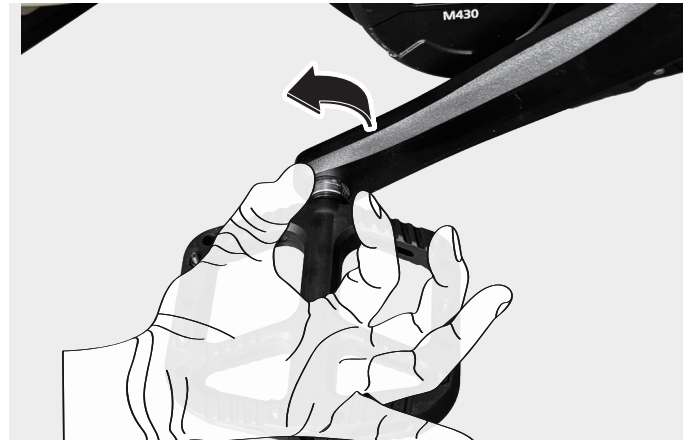
R Right pedal installation completed


Precautions

***Please strictly follow the steps in the instruction manual to install the pedal. Do not use a wrench to install it directly. Incorrect installation will damage the crank arm thread and cause installation failure. In severe cases, the crank arm will be scrapped. This situation is not covered by the warranty. Please be aware.**

- **Left pedal installation**

Place the left pedal marked with L into the left crank arm, align it with the round hole, and rotate it counterclockwise  by hand until it cannot be rotated by hand.



- Finally, tighten it counterclockwise  with a wrench to lock it. The installation of the left pedal is complete.



L Left pedal installation completed

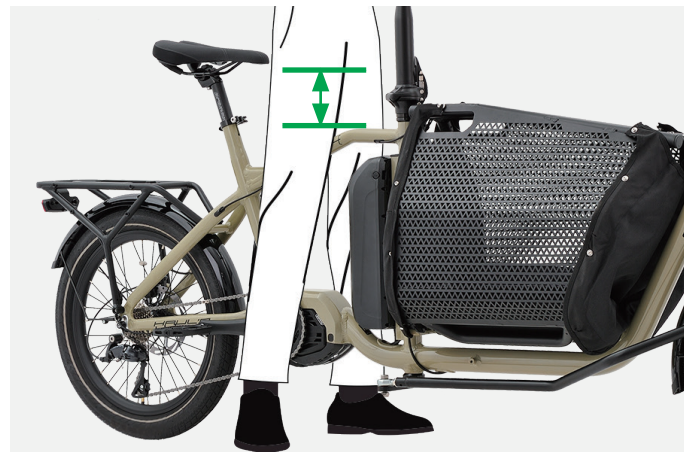
Before your first ride, you can have your new E-bike adjusted to your height, proportions and personal requirements by an authorized dealer, or you can follow the instructions in this manual to get it adjusted correctly.

4.1.Frame position adjustment

Ensure your e-bike provides adequate stand-over clearance tailored to your body and proportions.

The recommended minimum stand-over clearance ranges from 5cm to 13cm.

- Place the e-bike between your legs.
- Measure the distance indicated by the arrow.
- This is the recommended standing clearance.

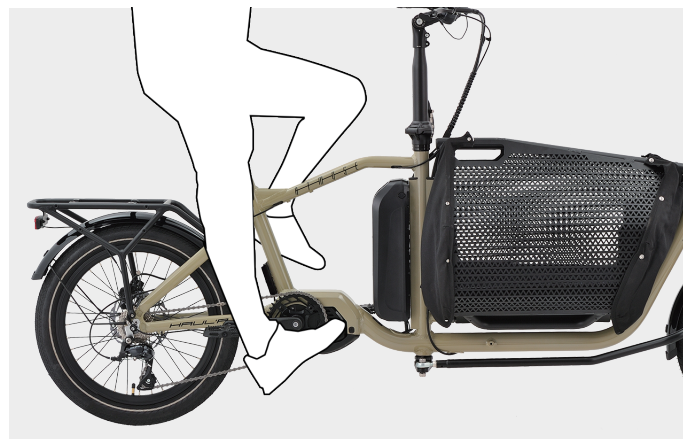


Recommended standing clearance

4.2.Saddle Position Adjustment

Your authorized dealer should explain and set the saddle position that is most suitable for you. To adjust the saddle height yourself, please follow the steps below:

- Rotate one pedal to the bottom position
- Sit on the saddle and place your heels on this pedal. Your legs must now be fully extended.
- If the legs are not fully extended, the saddle is too low.
- If your heels do not reach the pedals, the saddle is too high.

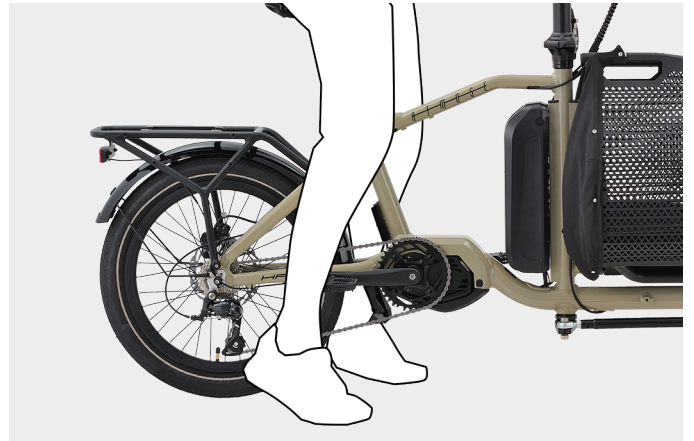


Heel down on the pedal

4.PAS e-bike adjustment



- Sit on your e-bike saddle.
- Make sure the tips of your feet are touching the ground.
- If the tips of your feet do not touch the ground or you feel unsafe, the saddle is too high.



Make sure your toes are touching the ground

- Check seat post height.



Correct: No minimum insertion mark visible on seatpost

- The seat post should not extend too far. Make sure you cannot see the minimum insertion mark.



Wrong: Minimum insertion mark visible on seatpost

5.1. Handover and delivery of electric bicycles

All Atmos e electric-assisted bicycles undergo a final inspection before leaving the factory. Please be prepared for riding and safe operation before you try to ride an electric-assisted bicycle.

Be sure to be familiar with the various instructions for electric-assisted bicycles in this manual.

5.2. Get to know your e-bike

WARNING

Avoid injury to yourself and others.

Using your e-bike in an improper manner may result in loss of control and dangerous situations.

Read all instructions and become familiar with all components of your e-bike before riding on public roads or in traffic.

Carefully read all instructions and manuals for this e-bike to make sure you understand everything.

Choose a low-traffic location to familiarize yourself with the features and operation of your new e-bike.

Pay special attention to the operation of the brakes, shifters, and electric drive system.

If you experience problems operating your e-bike, contact your authorized dealer.

6.1.1. ESP3 bicycle handlebar function




The ESP3 model is a mid-drive electric-assist bicycle, with simple control buttons located on the left side. The high-definition TFT display is fixed in the middle of the handlebars, and on the right side is the Shimano ASLM3100RC shifter:

- The left brake lever controls the front wheel brake, while the right brake lever operates the rear wheel brake.
- Shimano ASLM3100 RC right shift lever. The inner wheel is for downshifting, and the outer wheel is for upshifting.



6.1.2. Power Assist Mode Selection

If the automatic shutdown time is set to 5 minutes (set in function "Auto Off"), the HMI will be automatically turned off within this set time, when it is not operated.

- Press and hold  to turn the power on/off.
- When HMI powers on, briefly press  or  to select the power assist mode and change the output power. The lowest mode is E, the highest mode is B. On the default is mode E, number "0" means no power assistance.



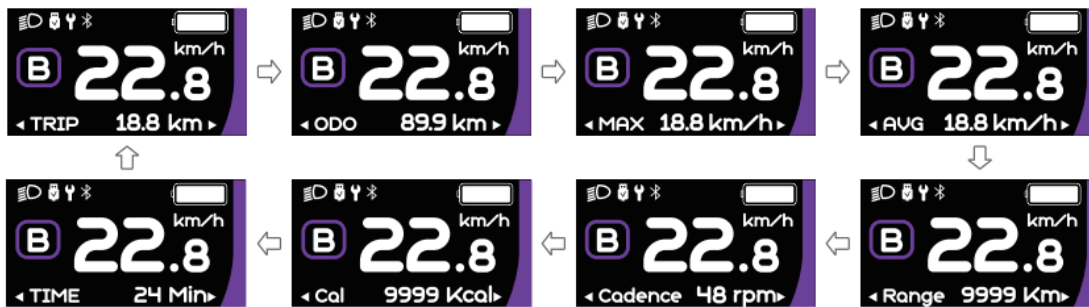
Mode	Color	Definition
Eco	green	the most economic mode
Tour	blue	the most economic mode
Sport	indigo	the sport mode
Sport+	red	the sport plus mode
Boost	purple	the strongest sport mode



6.1.3. Multifunction Selection

Briefly press button to switch the different function and information.

Circularly show single trip distance (TRIP,km) → total distance (ODO,km) → maximum speed (MAX,km/h) → average speed (AVG,km/h) → remaining distance (Range,km) → riding cadence (Cadence,rpm) → energy consumption (Cal,KCal) → riding time (TIME,min) → cycle.



6.1.4. Headlights

Press and hold (>2S) to turn on the headlight and reduce the backlight brightness.

Press and hold (>2S) again to turn off the headlight and increase the backlight brightness.



6.1.5. Walk Assistance

Briefly press button until this symbol appears. Next keep pressing the button until the walk assistance is activated and the symbol is flashing.(If no speed signal is detected, the real-time speed is shown as 2.5km/h.) Once releasing the button, it will exit the walk assistance and the symbol stops flashing. If no operation within 5s, the display will automatically return to 0 mode.



WARNING

When using the front folding basket, whether folded or unfolded, the folding hinge lock cylinder must be locked!

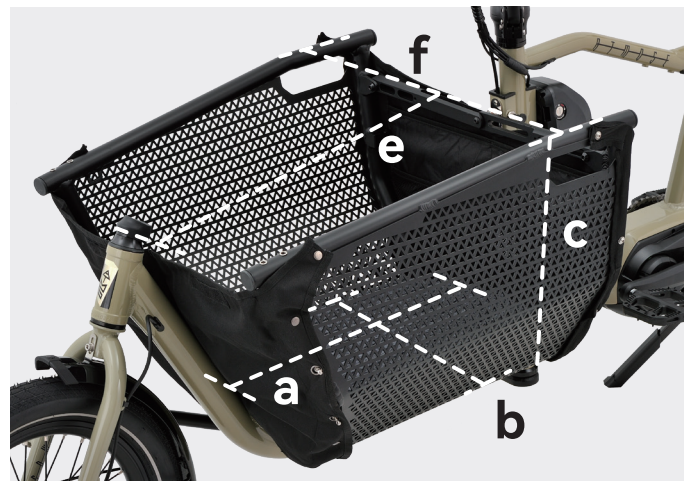
If the folding basket is not used according to safety requirements, unexpected dangers will occur, and the company will not be responsible for accidents or damage to the electric bicycle.

6.2.1 Front folding basket

The front folding bicycle basket is made of aviation aluminum alloy, which is light, strong and durable:

- Dimensions of the front foldable basket when unfolded.

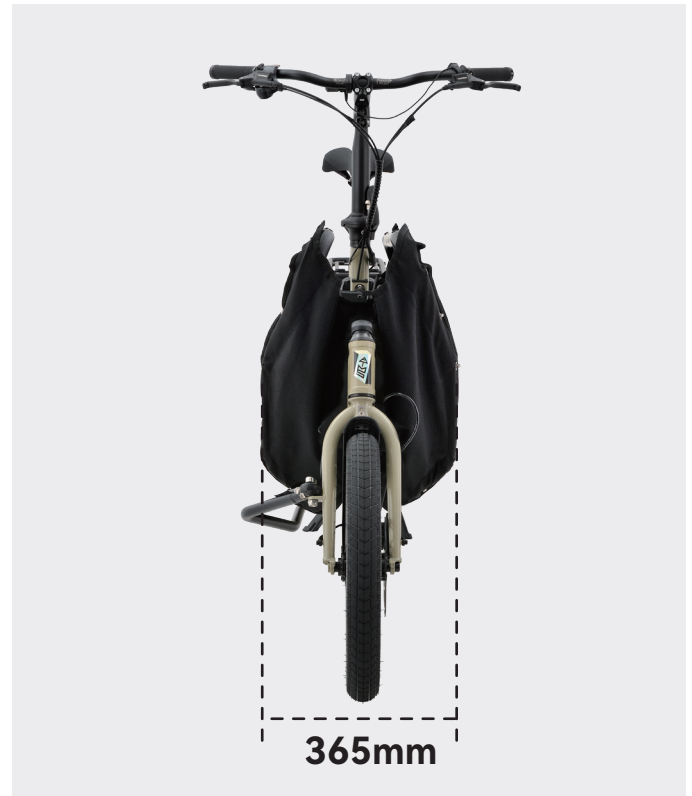
- Bottom Length **a**: 500mm
- Bottom width **b**: 390mm
- Depth **c**: 385mm
- Top Length **e**: 645mm
- Top width **f**: 620mm
- Payload: 35KG



- The widest dimension of the front basket when unfolded during riding: 620mm.



- The widest dimension of the front basket after folding while riding: 365mm.



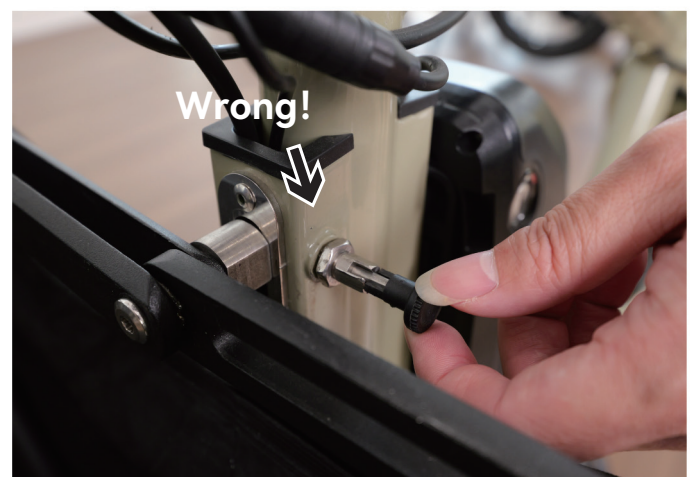
- **Front basket locked when deployed**

After the front basket fully unfolds the hinge, pull up the upper locking post and align it with the notch. After releasing the hand, the locking post will automatically retract and lock the hinge.



- **Wrong!**

After the front basket unfolded the hinge, the locking post was not aligned with the notch, it did not automatically fold up, and it was not locked. Error!



- **Front basket locked after folding**

After the front basket has fully retracted its hinges, pull up the lower locking post and align it with the notch. When you let go, the locking post will automatically retract and lock the hinges.



- **Wrong!**

After the front basket is fully retracted, the lower lock post is not aligned with the notch, it is not automatically retracted, and it is not locked. Error!



6.2.2 Extra Installations for front basket

We have designed a variety of additional equipment for the Haul'r bicycle front folding basket, which greatly expands the practicality of cargo:

- Extra accessories—— Rain Cover
- Windproof and waterproof design keeps your items dry and safe in all weather.
- Clear visibility in rainy rides – never compromise on children's road awareness.



- More extra accessories like stainless steel desk, folding aluminum cover, safety baby seat, basket rain cover. Please contact your seller for availability.

7.PAS system



7.1.1 ESP3 mid motor drive electric assisted

The Haul'r ESP3 version is equipped with the BAFANG M430 36V 250W mid-drive motor.

- BAFANG M430 36V 250W mid-drive motor.
- Removable Samsung battery 36V 15A 540Wh, 80km range.
- The ESP3 has five pedal-assist modes: Eco, Tour, Sport, Sport+, and Boost, with “0” representing no power mode.
- Electric power mode maximum speed 25km/h.



- A built-in GPS tracker enables real-time location monitoring of your e-bike.



PAS level instruction:

Power off or 0 level:
human powered

Sport : 50% human powered
+50% electric assist

Eco :80% human powered
+20% electric assist

Sport+ : 30% human powered
+70% electric assist

Tour :70% human powered
+ 30% electric assist

Boost : 20% human powered
+80%electric assist

7.2.1 Li-ion lithium battery

Precautions

The battery of an electric bicycle is heavy and can fall and be damaged. Make sure not to drop the battery and always secure it to the frame.


Keep the bicycle away from fire and excessive heat.

To avoid damaging the battery, never subject the bicycle to strong physical shocks, severe vibrations or impacts.

Protect the battery from water or moisture. You can remove the battery, but disassembly is prohibited. If you have any problems with the battery, contact your dealer.

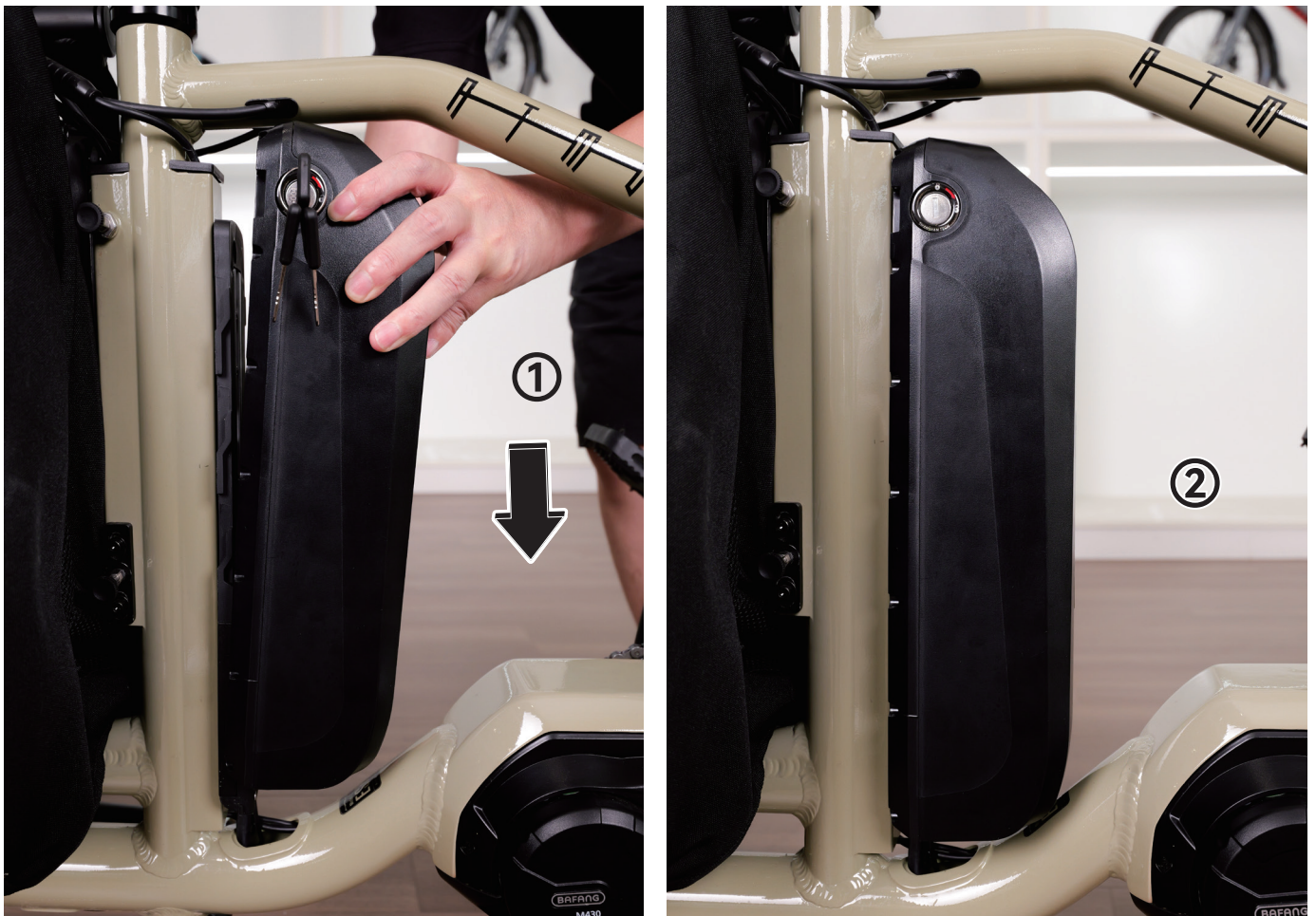
7.2.2 Remove the battery



① Key to  rotate to left to unlock the battery.


② Lift up with both hands to remove the battery. (Note: The battery is very heavy, please pay attention to safety during the process)

7.2.3 Install the battery



- ① Align the battery vertically with the slot and press down firmly; the battery will automatically lock into place.
- ② Remove the key and gently pull the battery to confirm that it is securely locked in the bracket.

7.2.4 Battery capacity indicator

- Long press  to show the remaining power
Please charge in time when the red light is displayed.



7.2.5 Battery re-charge

- Open the protective cover of the charging port on the right side and connect the included original charger for charging.



WARNING

Your bicycle is equipped with a removable, rechargeable lithium-ion battery.

Before first use, charge the battery. When charging, use the original charger.

All charging operations must be performed with the original charger. In case of doubt, abnormal power consumption or malfunction, please contact the charging dealer. Do not use other chargers to charge the product. If the original charger is damaged, please purchase a new one from the dealer.

After each ride, please charge the battery in time and remove the original charger when finished. Do not leave the charger plugged in overnight; do not leave the charger plugged in after charging is complete.

There are two ways to charge the battery:

1. Remove the battery for charging.
2. Charge the battery directly on the bike.

In any case, it is recommended to make the connections in the following order.

1. First connect the charger output plug to the battery, then connect the charger input plug to the household power socket.
2. First disconnect the input plug from the household power socket, then disconnect the output plug from the battery.

The charging indicator is red: the battery is charging

The charging indicator is green: charging is complete.

Do not turn on the bike while charging.

After the battery is fully charged, remember to close the charging port cover.

Note: We recommend charging the battery after each use; at least once a month when not in use.

8. Lighting and taillights



8.1. BUCHEL (shiny 50) LED Front Light

The ESP3 is equipped with a high-performance LED dual-light headlight, delivering powerful and uniform illumination to ensure safe night riding, whether on city streets or country roads.

- Press the light button to turn ON/OFF the front light.
- The BUCHEL Shiny 50 LED Front Light delivers 50 lux luminosity in a 110g weather-resistant housing, ensuring optimal visibility for night cycling.
- The BUCHEL Shiny 50 LED Front Light is an automatic sensing light that turns on automatically in dark environments.



WARNING

When riding at night or in low visibility conditions, always keep your taillight on to ensure that others can see you clearly.

8.2. Spanninga VIVO XE Retro Taillight

The German Spanninga VIVO XE taillight is a simple, efficient and economical light, which provides a very high level of safety. It features the ground-breaking Light Line Technology®, which spreads the light through a specially shaped light guide.

- The design and shape of the VIVO are unique, because it has a thickness of only 20mm.
- The sharp light line on top of the reflector creates a vivid light beam at the rear of your bicycle.
- The Spanninga VIVO XE taillight is an automatic sensing light that turns on automatically in dark environments.



9.1.1. Battery

Charge the battery at least once a month, as lithium batteries continue to discharge even when the product is turned off.

Consequently, if the battery remains uncharged for several weeks or months, it will completely lose its power, rendering it impossible to recharge.

To safeguard the battery of your device, consider the following precautions and usage tips:

- Ensure the charger remains connected to the power supply until the battery reaches full charge.
- Store the product, along with the battery, in a cool environment, ideally near 15°C (temperature should exceed 0°C).
- Be aware that excessive heat can also harm the battery.
- Prevent deep discharge scenarios.
- Avoid charging the device when it is hot. Allow it to rest for 15 minutes to 1 hour post usage before initiating charging.
- Steer clear of overcharging. The charger should not be left plugged in for more than 24 hours, as it will produce unnecessary heat.

9.1.2. Battery Range

The battery offers a range of up to 80 km on a single charge. However, several factors influence this range:

- Driving Surface: Smooth and flat roads enhance the range.
- Load: Heavier loads result in a shorter range.
- Maintenance: Regular charging and maintenance prolong the battery's lifespan.
- Speed and Riding Style: Consistent speed maximizes the range, whereas frequent starting, stopping, accelerating, and decelerating diminish it.

9.2. Speed Limits

The product is designed to travel at a maximum speed of 25 km/h. However, the usage limits of your product should be observed according to the road safety regulations in force in your country.

9.3. Load Limits

The body weight capacity is 145kg, and the basket can hold up to 35kg.

Important: Exceeding these load limits may cause damage to the bicycle and will invalidate your warranty.

9.4.1. Product Inspection and Maintenance

Your product necessitates daily inspection and maintenance. This chapter outlines the essential maintenance and operational procedures.

Prior to undertaking any of the following steps, ensure that the power is disconnected and the charging cable is removed. It is imperative to meticulously examine the product before each use.

Before using the product each time:

- Ensure the handlebars are securely tightened.
- Lift the bike and allow it to spin to verify that the wheels are functioning smoothly.
- The pillars and steering tubes must not interfere with the bike's steering.

The entire steering system must be correctly adjusted, and all connecting elements and screws should be tightened to guarantee the product is in optimal condition.

- Tighten the screws of the front wheel, rear wheel, and re-tighten if necessary. If vibrations occur during operation, it indicates that additional tightening is required.
- Monitor tire wear and pressure. If the device has pneumatic wheels, inflate them using a pump or similar device when needed.
- Inspect the brakes, confirm electronic brakes are functioning correctly.

If a safety hazard persists despite repeated tightening and reinforcement or an abnormal sound is detected, or if an obstruction occurs, discontinue use of the product and contact the dealer for further information or disposal instructions.

Should the product, any component, or the battery sustain damage, please reach out to an authorized center for repair or recycling services.

WARNING

Original parts must be used. When replacing parts, original parts must be used to maintain the performance and reliability of the bicycle. Only manufacturer's parts are considered original parts.

When replacing parts, original parts must be used. The user is responsible for the subsequent damage to the product, people or the environment caused by the purchase and use of counterfeit (fake) parts.

Always use suitable spare parts for tires, inner tubes, transmission components and brake system components. If you have any questions, please contact the service department or your dealer.

9.4.2. Lubrication

In order to prevent rust, lubrication of the various moving parts is essential. Please oil the chain regularly, brush oil on the sprockets and chain rings, and regularly introduce a few drops of oil into the cable housings of the brakes and derailleurs.

It is recommended to clean and dry the parts that need lubrication first.

It is recommended to use special oil for chains and derailleurs.

9.4.3. Tire pressure

It is strongly recommended to check the tire pressure regularly. Riding with under-inflated or over-inflated tires will affect performance, cause premature tire wear, cause rim damage, reduce mileage or increase the risk of accidents.

If any tire is severely worn or grooved, please replace the tire before riding.

Important: The manufacturer indicates the pressure range on the sidewall of the tire. The tire pressure must be adjusted according to the weight of the user.

9.4.4. Brake system

Before each use, check that the front and rear brakes are in perfect working order. Check the brakes regularly to prevent accidents due to brake failure.

WARNING

In rainy or wet weather, braking distances are extended.

9.4.5. Rims

Check the condition of the rims and clean them if they are dirty to avoid premature aging. Do not ride with damaged or cracked rims to avoid accidents.

9.4.6. Cables

Make sure the cable ports are not loose or damaged.

9.4.7. Screws

Check the screws of the main components and make sure they are tightened regularly. The vibration of the unit during driving can cause vibrations that loosen the screws.

9.4.8. Batteries

For your safety and the best operating condition of the battery, always store the battery in a dry, well-ventilated place away from moisture. The battery must not be subjected to impact or faulty wiring.

WARNING

Only use the original batteries provided. Do not use and recharge non-rechargeable batteries.

9.4.9. Charger

Make sure the charger cable is not damaged or exposed to avoid short circuits. The input and output sockets must not be damaged or deformed.

WARNING

Please be sure to use only the original charger that comes with this product.

9.4.10. Front Basket

The front basket is designed to carry a maximum weight of no more than 35 kg. For safety reasons, distribute luggage evenly to promote bicycle stability. All luggage must be securely fastened to the luggage rack and check before each use that nothing is stuck on the front wheel of the bicycle.

WARNING

When using the front folding basket, whether folded or unfolded, the folding hinge lock cylinder must be locked!

If the folding basket is not used according to safety requirements, unexpected dangers will occur, and the company will not be responsible for accidents or damage to the electric bicycle.

9.5. Product cleaning

To clean the product, please follow the product instructions and precautions:

- Unplug all charging cables before cleaning the device.
- Do not immerse the product in water as this may damage components, causing personal injury or bicycle failure.
- Never use a high-pressure washer, water jet or any other cleaning equipment or cleaning method that may allow water to penetrate the inside of the device.
- When cleaning the bicycle, be careful to wipe it carefully with a damp cloth and then dry it with a dry cloth; avoid connectors and buttons when cleaning and be careful not to allow water to penetrate into the plug, circuit or inside the product.
- Do not apply water or detergent directly to the surface of the product.
- Do not use abrasive products or solvents to clean metal or plastic parts as this may damage the paint of the device.

If you can, lubricate your chain after every wash to keep it running smoothly and prevent rust.

9.6 Product Storage

- Fully charge your e-bike before storing it.
- Store your e-bike in a clean, dry place indoors at an ambient temperature between 0 and 40°C.

10.1. Warranty period for the whole vehicle: 2 years

Note: This two-year warranty period grants you certain rights, please read the following carefully.

Rights not expressly granted remain reserved by the manufacturer (ATMOSE).

The manufacturer provides a warranty and guarantees that its products, parts and accessories are purchased from, purchased and used by authorized dealers.

Additional notes:

Lithium battery: guaranteed to maintain at least 60% of the rated capacity for 500 full charge cycles or 1 year after purchase.

Non-ATMOSE original parts and components: will be warranted according to the warranty terms specified by the respective manufacturers.

This warranty is only for the original retail purchaser and is not transferable to subsequent purchasers.

This warranty only applies to ATMOSE electric-assisted bicycles purchased from authorized dealers.

This warranty does not cover normal wear and tear of certain components, including but not limited to chains, pedals, brakes, handles, shift cables, tires and saddles.

This warranty does not cover paint, decals and surface treatments.

Damage to the product or damage to other accessories caused by the following reasons is not covered by the warranty:

- Improper use or handling.
- Damage caused by accident, misuse, abuse or neglect.
- Unauthorized modification of the E-bike.
- Installation of non-original or incompatible components, parts or accessories.
- Failure to assemble the E-bike in the correct manner.
- Failure to perform proper maintenance on the E-bike at intervals.

This warranty generally does not include labor costs required to replace any covered part or component. ATMOSE reserves the right to charge labor costs at its sole discretion.

Any unauthorized modification of the frame, fork or any component of the electric-assist bicycle will completely void this warranty.

During the corresponding warranty period specified above, the manufacturer may repair, replace new, refurbished or other matching parts at its discretion for defective parts or components. Any replaced parts will become the property of the manufacturer and the manufacturer has the right to do anything with them.

10. Warranty Terms and Conditions



If a problem occurs with the product or any of its components or accessories, please contact an authorized dealer.

All warranty claims must be processed through an authorized dealer.

Proof of purchase (copy of invoice) is required for all warranty claims.

If it is determined that the warranty period has expired or is not covered by the warranty (such as improper use or lack of maintenance, use of non-original spare parts or other reasons not covered), the authorized dealer will provide you with a quote for repair service at your expense.

No warranty, repair or replacement shall extend the warranty period.

This warranty will be completely void if there is abuse, neglect, accident, act of God, misuse, careless handling, improper installation, improper operation, unauthorized repair or modification, use of non-proprietary, aftermarket or non-original spare parts, or failure to follow the manufacturer's instructions for proper installation, handling and use.

This warranty is limited to the repair or replacement of this product and the repair or replacement of its components or parts.

Notwithstanding the foregoing, any implied warranty of merchantability and fitness for a particular purpose is limited to the two-year period specified in the above written warranty.

10.2. Disclaimer

If this product is defective, your sole remedy is to contact the manufacturer for repair or replacement.

To the maximum extent permitted by applicable law, the manufacturer, its distributors, dealers or their agents shall not be liable for any special, indirect, incidental, punitive or consequential damages (including, but not limited to, any lost profits, damages of any kind, business interruption, downtime or other damages arising out of the use of or inability to use this product) caused by the manufacturer's breach of warranty, negligence or breach of contract, even if the manufacturer, its distributors, dealers or their agents have been advised of the possibility of such liability claims or other claims.

This warranty gives you specific rights, and your rights may vary by region.

