The manufacturer reserves the right to make changes to the product and manual at any time
Visit www.Aipasbike.com to download the latest user manuals

AIPAS-C1
ELECTRIC BIKE
INSTRUCTION MANUAL

CONTENTS

AIPAS EBIKE

Please read the instruction manual carefully before setting up your eBike and riding. You should be familiar with the operation of your eBike, its features, capabilities, and limitations. To ensure a long, trouble-free life for your Aipas eBike, provide it with the proper care and maintenance as described in this manual. Of course, it is not practical or possible to warn you about all of the hazards associated with operating or maintaining your Aipas eBike. For this, you must use your own good judgment.

For any replacement parts and accessories, Please use Aipas eBikes-approved parts, as they have been specially designed for your bicycle and manufactured to meet Aipas eBikes' demanding standards.

This manual should be considered a permanent part of your bicycle and should remain with the bicycle when it is sold.

Please contact us if you need any assistance please do not hesitate to reach out to us.

CONTACT INFORMATION

Email: service@aipasbike.com

Website:www.aipasbike.com

Pre-sales Phone:1(833)556-3566

After-sales Phone:1(833)532-5966

@AipasEbike

Active your warranty and get more info by scanning this QR code

Safety Messages

Please record your bicycle's serial number in the space below. The serial number is located on the head tube of your bicycle. Refer to page 08 for the location of the serial number.

SERIAL NUMBER

AiPAS

Safety Messages

Read Manual Before Riding

Please read the manual before you take the ride on your new eBike and keep it for reference. This Owner's Manual contains important safety, performance, and service information.

Like any sport, bicycling involves the risk of injury and damage. By choosing to ride a bicycle, you assume the responsibility of that risk: you need to know and practice the rules of safe and responsible riding as well as proper use and maintenance. Proper use and maintenance of your bicycle reduces the risk of injury. If you have any questions or do not understand any aspect of using or maintaining your bike, take responsibility for your safety and consult with your local bicycle shop, or contact us for assistance.

This manual is not intended as a comprehensive use, service, repair, or maintenance manual. Please see your local bicycle shop for all service, repairs, or maintenance. Your local bicycle shop may also be able to refer you to classes, clinics, or books on bicycle use, service, repair, and maintenance.

Your Aipas eBike is classified as an EPAC (Electrically Power Assisted Cycle, otherwise known as a Pedelec), and is referred to in this manual as a bicycle unless otherwise noted.

Rider's Responsibility Regarding Regulations

It is the rider's responsibility to obey the regulations that apply to your Aipas eBike.

The regulations covering the use of your Aipas eBike vary by state and even municipality in certain locations. You must comply with the local regulations related to the minimum age of the rider, driver's license, insurance, license plate, traffic, maximum speed regulations, and any other regulations. These regulations may change at any time.

Intended Use

The intended use of your Aipas eBike is to be ridden by one rider at an appropriate time and place for general transportation or recreational use. Any other use is prohibited and may result in SERIOUS INJURY or DEATH.

Your bicycle is NOT INTENDED for off-road or mountain bicycle use or any kind of jumping. Some of these bicycles have suspension features, but these features are designed only to add comfort, not off-road capabilities.

Riders should be proficient cyclists (ages 16+), riding on paved surfaces where the tires are always on the ground, on roadways, or dedicated bicycle-only lanes where permitted by law (not on pedestrian-use shared lanes or sidewalks). Your bicycle should not be used to tow another bicycle. For trailer towing, consult this Owner's Manual and the trailer owner's manual for towing instructions and towing compatibility.

Safety Messages

⚠ WARNING!

To prevent serious injury or death:

- Read all safety warnings and all instructions.
- Always ride within your limits and the limits of your eBike.
- Bicycles are only for use by persons 16 years old and above.

  Riders must have the physical coordination, reaction, and mental capabilities to control a bicycle and manage traffic, in addition to managing road conditions and sudden situations with respect to the laws and instructions governing bicycle use. Persons with any mental or physical conditions that may make them susceptible to injury, impair their physical dexterity or mental capabilities to recognize, understand, and follow safety instructions —or understand the hazards inherent to its use — should not use or be permitted to use products inappropriate for their abilities.
- Never ride under the influence of drugs and/or alcohol.
- Consult a doctor before using the device if you have any medical condition or issue that affects your ability to safely perform physical activities, or if you:
  - are or may be pregnant;
  - have heart, respiratory, back, joint, or other orthopedic conditions;
  - have high blood pressure;
  - have difficulty with physical exercise;
  - have been instructed to restrict physical activity.
- **Always keep small parts away from children.** Some eBike accessories may present a choking hazard to small children.
- **Never modify your frame or bicycle in any way.** Do not sand, drill, file, or remove parts from your bicycle. Do not install incompatible components or hardware.
- **Always use proper lifting techniques to prevent injury.** Your eBike may be significantly heavier than a bicycle without a battery pack and a motor.
- **Take responsibility for your SAFETY.** If you have any questions or do not understand any aspect of using or maintaining your bicycle, contact Aipas eBikes at service@aipasbike.com or call (833)532-5966

AiPAS

Safety Messages

Helmets

- Always wear a helmet. Wearing a helmet properly may reduce the risk of a severe head injury. When riding, always wear a helmet that meets or exceeds the standards of the Consumer Product Safety Commission(CPSC). Check the manual that comes with your helmet.
- Ensure your helmet fits your head and is properly secured. If you attach a child's seat to the bicycle, the child must wear a properly fitted helmet at all times.
- Read your helmet manual to make sure it is adjusted properly according to the fitting instructions provided by the helmet manufacturer.
- A proper-fitting helmet should be comfortable and should neither rock forward/backward nor side to side.

Pre-Ride safety Check

- Before each ride, inspect your eBike for damage. If damage is found, do not ride.
- Verify that the front and rear axles are secure.
- Verify that the handlebar and seat clamps are closed and tightened to the torque specified in the Manual.
- Verify that both the handlebar latch and frame latch are secure and fully closed.
- Check the tire pressure of both wheels.
- Pull the brake levers to ensure the brakes are working properly and adjust if necessary.
- NEVER exceed the maximum total weight limit of 330 lbs. (150 kg). The rear rack can hold a maximum of 75 lbs. (35 kg). As an example, if you have 40 lbs. (18 kg) of cargo, then the maximum weight of the rider would be 290 lbs. (131 kg)

Follow eBike Regulations On and Off the Road

- Be aware of eBike regulations in your area. Generally, the regulations for the use of an Aipas bicycle are the same as those for a standard bicycle. However, there may be local differences such as where you can ride, minimum rider age, or required equipment and license and registration regulations. It is your responsibility to know the local regulations that apply to an electric bicycle and to obey them.

Ride at Your Own Risk and Use Common Sense

- Do not ride distracted. Always remain alert to all riding conditions. Using the Display or other technology (including your mobile phone or music player) could distract you from riding. Only adjust the Display when stationary and in a safe start-up position.

Safety Messages

- Always keep both hands on the handlebar grips and the brake levers so they are within reach while riding.
- Never use headphones or a cell phone to talk or text when riding.
- Always ride defensively. Watch out for potential obstacles that could force you to swerve suddenly or lose control. Braking while steering may reduce your ability to control your bicycle.
- Look ahead and brake sooner. You may be moving faster on your eBike, and it may be heavier, compared to a bicycle, which means you may need to react and brake sooner when riding. Other road users may not expect you to be traveling at higher speeds. Riding faster may increase your risk of a crash.
- Stop pedaling well before approaching corners to avoid entering a corner too quickly. You should also pay particular attention to terrain conditions as you may approach obstacles faster than expected.

Riding in Wet Conditions

- Use caution when riding in wet conditions as it will take longer to brake and to stop. Your tires may slip when turning. The risk of a crash is dramatically increased in wet conditions.
- Your electric bicycle can withstand light rain and small splashes, but it is not designed to be subjected to inclement weather, extremely heavy showers, or submersion in water. The electric bike's components have an IP rating of 65. Damage caused by water damage will not be covered by the warranty.

Riding at Night

- Riding at night comes with more risks than riding during the day due to decreased visibility; riders are encouraged to exercise increased caution in nighttime conditions.
- Turn lights ON for safety. For increased visibility, ensure that the front headlight and rear taillight are turned ON and adjusted so that other people on the road can see them clearly. Also check your front, rear, and wheel reflectors.
- Riders should wear reflective clothing at night. You may want to attach additional flashing lights to your clothing or helmet.

Icons and Stickers Guide

Califomia Proposition 65

⚠ WARNING! The wires of this product contain lead. Lead compounds and other chemicals known to the State of California cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Signal Wonds

DANGER	Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

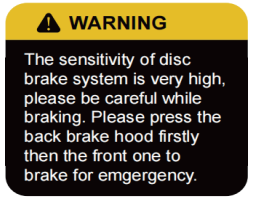
Symbol

⚠	Alert Symbol. This symbol is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible serious injury or death.

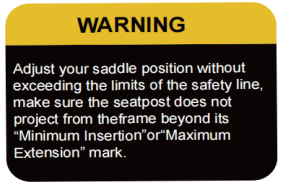
On-Product Waming Labels

There are warning labels on your Aipas eBike for your protection. If a label is missing or is not legible, contact Aipas eBikes for a replacement.

Down Tube label



Brake label



Seat Post label

States that recognize three classes of eBikes require a label to be placed on the bicycle denoting the class of your Aipas eBike, the motor's wattage rating, and the top speed of your Aipas eBike. Your bicycle comes as a Class 2 bicycle by default and has a label with this information posted under the carry-handle, near the seat post on the bicycle.

If you change your bicycle's top speed, you must remove this label from the bicycle and replace it with a Class 3 label, detailing your Aipas eBike's class, top pedal-assisted speed,and motor wattage. The Class 3 label is put in the small box.

Note Before Assembly

STARTING

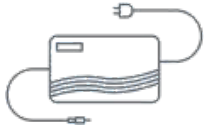
Your bicycle comes fully assembled. These instructions are intended to assist you in setting up and getting familiar with your new bicycle.

After you make your first adjustments and inspect your bicycle, we recommend seeking professional help from a reputable and certified bicycle mechanic to check your bicycle before your first ride.

Before removing the packaging material from your bicycle, remove all items from the box and make sure you have the following:

What's in the box:

Aipas eBike



Aipas eBike Charger

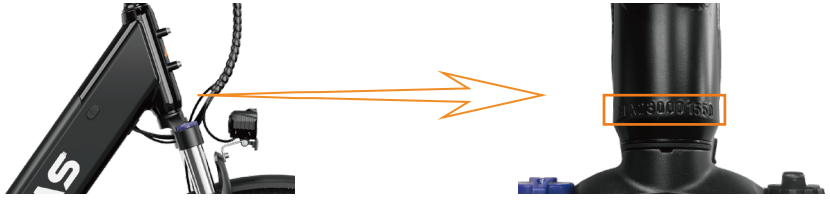
Manufacturer Manuals

Battery Keys

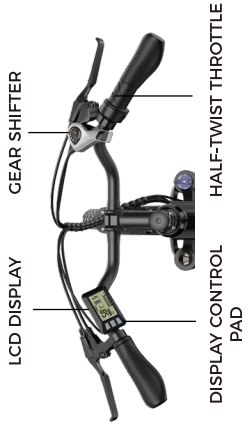
If anything is missing or is damaged, contact Aipas eBikes immediately for assistance.
For a video about visit our YouTube page: Aipas eBikes

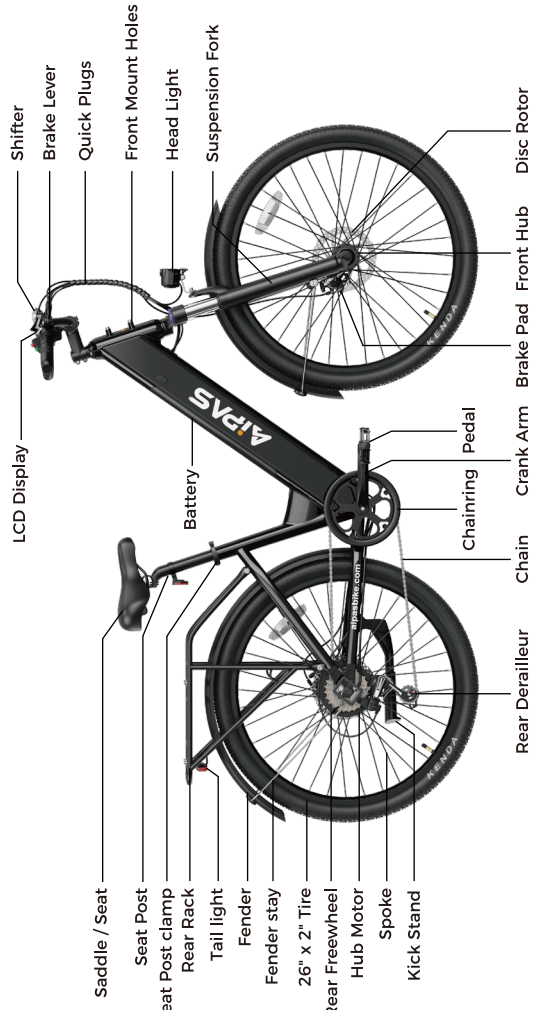
Serial Number

Serial number is located on the head tube of the bicycle as shown below. Please write it down inside the front cover of this manual.You may be asked for your bicycle's serial number as part of a warranty request, You may also be asked to provide this number to law enforcement if your bicycle is stolen.



Product Overview





Setting Up Your Aipas eBike

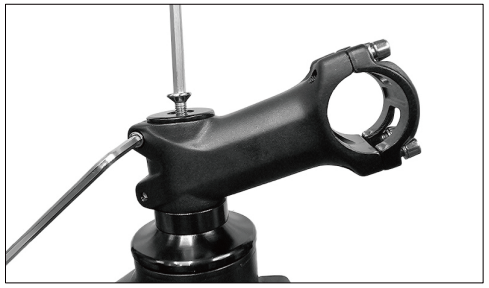
NOTE: This manual is not intended to be an extensive reference book about service, maintenance, and/or repairs.You can find more information on our website: **Aipasbike.com**

Install stem

1 Use an Allen wrench to unscrew the bolts and separate the stem from the frame.

2 Remove the stem, and flip it so that it faces upwards (as shown in the diagram).

3 Reattach the stem to the frame, ensuring it is installed facing upwards.



4 Use an Allen wrench to tighten the three bolts to secure the stem.

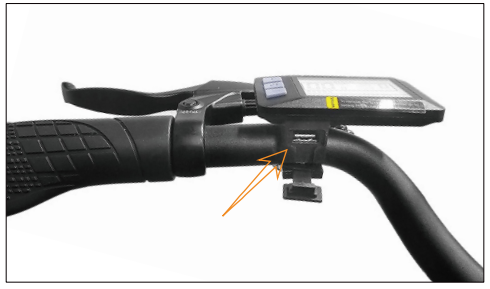
Setting Up Your Aipas eBike

Install handlebar and display

1 Use an Allen wrench to unscrew the bolts.

2 Install the handlebar, adjust it to the desired angle, and tighten the bolts to secure the handlebar.

3 Use an Allen wrench to unscrew the bolts and adjust the display to the desired angle.

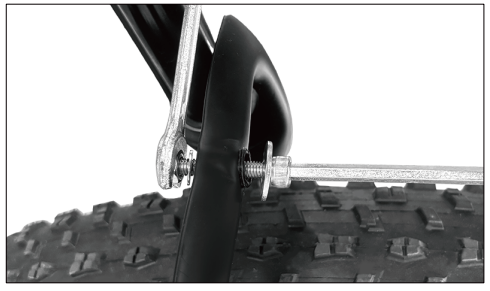


4 Tighten the bolts to secure the display. Open the rubber cover to access the USB port.

There is a USB (Type-A) port located at the bottom of the display, which can be used to charge devices.

Setting Up Your Aipas eBike

Install fender & rear rack



1 Unscrew the bolts and nuts located at the top and bottom of the front fork.

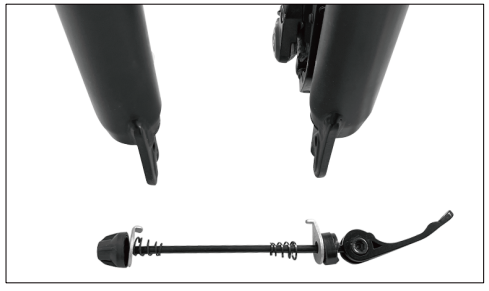
2 Sequentially install the front light and mudguard, and tighten the screws on the front fork that secure the light and mudguard.

3 After installing the support rods of the mudguard, tighten the corresponding screws.

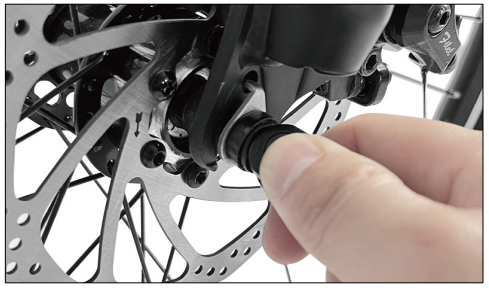
4 Tighten the four screws that secure the rear rack.

Setting Up Your Aipas eBike

Install front wheel



1 Locate the quick-release lever. Open the lever and remove the thumb nut, safety hook, cone spring (opposite the lever). Keeping the washer and other safety hook and cone spring in place on the lever side.



2 Line up the fork with the axle at the center of the wheel. Make sure there's a spacer between the fork and wheel on each side. Install safety hook, gasket, and nut in turn.

3 Tighten the nut onto the fork with No.15 wrench.

4 Install the front fork cover.

Note: When properly installed, the front wheel should be fully seated and centered in the dropouts of the front fork, The brake rotor should be in between the brake pads in the brake caliper, and the front fork nut should be fully and properly secured. Ensure the front wheel is properly secured before moving on to the next step.

Setting Up Your Aipas eBike

Install pedal

1 Looking for the pedal with the "R" mark.

2 Installed on the chainring side crank.

3 Rotate clockwise to tighten.

4 Looking for the "L" mark.

5 Installed on the other side crank.

6 Rotate counterclockwise to tighten.

AiPAS

Setting Up Your Aipas eBike

Adjust Seat Post Height

⚠ WARNING!

- Loosen the lamp. The open and closed positions of the clamp are shown below (open position on left, closed position on right);
- Raise or lower the seat post in the seat tube;
- Check if the seat is straight and not tilted., and Re-tighten the seat post clamp to the recommended torque. See Tightening Torque(p. 22).

Adjust seat Position

⚠ WARNING!

Front and back adjustment: Loosen nuts on both sides of the seat. Make sure the clamp mechanism is clamping on the straight part of the seat rails and is not touching the curved part of the rails. Ensure that you are using the recommended torque on the clamping fastener(s). See Tightening Torque (p. 22).

Seat angle adjustment: Most people prefer a horizontal seat, but you may prefer the seat nose angled slightly up or down. Loosen the clamp bolt to allow any serrations on the clamp mechanism to disengage before changing the seat angle, and to fully re-engage the serrations before you tighten the clamp bolt to the recommended Tightening Torque (p. 22).

Setting Up Your Aipas eBike

Removing the Battery:

1. Put the key into the lock, turn it to the left which is the direction for unlocking.
2. When the battery is unlocked, it will pop down.
3. Prop up the battery with your left hand and then remove the battery with both hands.



Note: When unlocking and removing your battery pack from the frame, take care that it does not slide out.If your battery impacts the ground and is damaged, discontinue use and contact Aipas eBikes immediately.

Installing Battery:

1. First, place the bottom of the battery into the frame.
2. Then gently press the top of the battery.
3. When you feel resistance, press the battery slightly harder until you hear a click.



Note: Make sure the battery is installed properly and tightly with the frame, it will match the frame smoothly.

AiPAS

Setting Up Your Aipas eBike

Charge The Battery

⚠ WARNING!

1. The battery can be charged either by removing it from the bike or while it is installed on the bike.
2. When charging the battery without removing it, first remove the dust plug located on the frame, then insert the charging connector into the charging port.
3. When charging the battery after removing it, directly insert the charging connector into the battery's charging port.
4. Typically, the charger's indicator light shows red while charging, green when fully charged, and also red when not charging.

You should fully charge the battery before your first ride.

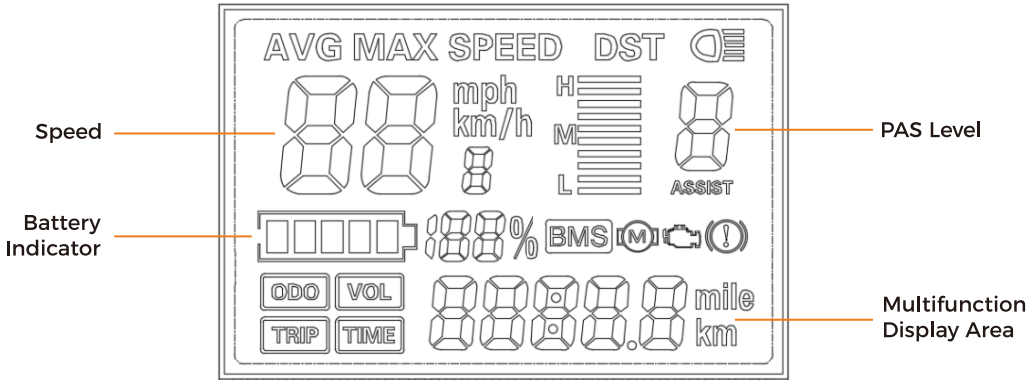
⚠ Fire and explosion hazards. Never leave your battery battery unattended while charging to prevent serious injury or death.




Specifications

ITEM	SPECIFICATIONS
Model	AIPAS-C1
Product Dimensions	72*41(Inch)
Package Dimensions	53*9.5*27.5(Inch)
Max Load	400 Lbs
Package Weight	78 Lbs
E-Bike Weight	63 Lbs
Max Speed	28 mph
Range	68 Miles
Battery	48V 11Ah
Charger	48V
Charging Time	4-6 Hours
Tire Pressure	23-25 PSI
Bell/Horn	Electric Horn Installed
Motor	1100W
Frame Material	6061 Aluminum frame
IP Level	IPX 6

LCD Display Controls



ODO: Total mileage of the eBikem.

TRIP: Distance traveled during the current trip

VOL: Curent working voltage ofthe battery

Max: the maximum speed of the eBike

DST: Distance of single trip

AVG: average speed ofthe car eBike

Error: An error has occuired with the eBike (see error code table for details)

POWER BUTTON PLUS BUTTON MINUS BUTTON

USB CHARGING PORT

LCD Display Controls

Operation	Directions
Turn the bicycle ON/OFF	Press and hold ⏻ button
Increase PAS Level	Press plus + button
Decrease PAS Level	Press minus − button
Turn lights ON/OFF	Press the + button to turn on, Press the + button to turn off.
Toggle Odometer, Trip A, Voltage,Current, Trip Timer (TM)	Press ⏻ button
Max Speed and Average Speed	Press and hold the plus + button and ⏻) button simultaneously to toggle between the speed meter, max speed and average speed.

NOTE: The trip meter, as well as maximum and average speed will reset when the bicycle is powered OFF.

To prevent serious injury or death, DO NOT change settings excluded from the table. Changing setting not listed in the following table may cause your bike to stop working properly. If you need the default setting values of settings not listed, contact Aipas eBikes. DO NOT ride your bicycle until the default settings have been restored.

Do not tamper with your bicycle. Tampering is defined as removing or replacing any original equipment or modifying your bicycle in any way that may change its design and/or operation. Such changes may seriously impair the handling, stability, and other aspects of the bicycle, making it unsafe to ride. Tampering can void the warranty and render your bicycle non-compliant with the applicable laws and regulations. Aipas eBikes is not responsible for any direct, incidental, or consequential damages, including, without limitation, damages for personal injury,property damage, or economic losses due to tampering.

To change display settings, hold the plus (+) and the minus (-) buttons simultaneously to enter into the Settings Menu. Press the button to toggle between each numbered setting. To adjust the value of each setting, click the plus (+) and the minus (-) buttons as needed.
There are 21 settings (P01-P21). You should only change the settings listed below.

AiPAS

LCD Display Controls

Setting	Function	Default	Explanation
P01	Brightness	2	Backlight display brightness.The darkest level is 1 and the brightest level is 3.
P02	Distance Units	1	0:KM; 1: MILE
P04	Sleep	10	LCD Display sleep timer. The default setting will turn the display OFF after it has not been used for 10 minutes.
P06	Tire Size	26	Used to compute speed and distance traveled.
P08	Speed Limit	32	Range is 0-100.The value represents the maximum operating speed of your Aipas eBike in km/h. For example,a value of 25 indicates the maximum speed will not exceed 25 km/h. Drive speed is maintained at this set value. Any value above 45 will fully unlock the bike's speed, which equates to up to 28mph. Margin of error: 3 km/h
P09	Throttle Zero Start	0	0: Throttle active from standstill. 1: Throttle active only when already moving.
P10	Mode Toggle	2	0: PAS Active, Throttle Inactive 1: PAS Inactive, Throttle Active 2: Both PAS and Throttle Active
P11	PAS Sensitivity	3	When set to higher numbers, it will take more crank rotations for the motor to turn ON. Lower numbers will take fewer crank rotations to turn the motor ON.
P12	PAS Strength	3	When set to higher numbers,the motor will come on stronger.Lower numbers will be more gentle.
P16	Odometer Reset	N/A	Press the (-) button for five seconds to restore factory settings.
P17	Cruise	1	0: Cruise Inactive 1: Cruise Active

Functions

Tightening Torque	Spec
Bottom Bracket	60 Nm
Brake Caliper Mounting Bolts	7 Nm
Brake Lever Clamp Bolts	7 Nm
Crank Bolts	45 Nm
Disc Rotor Mounting Bolts	7 Nm
Fender Mounting Bolts	6 Nm
Headlight Mounting Screw	7 Nm
Headset Parts	34 Nm
Kickstand Mounting Bolts	10 Nm
Pedals	35 Nm
Rear Derailleur Cable Clamp Bolt	4 Nmt
Rear Derailleur Mounting Bolt	8 Nm
Rear Rack Mounting Bolts	7 Nm
Seat Rail Binder	20 Nm
Seatpost Clamp	9 Nm
Shifter Clamp Bolt	5 Nm
Spokes	160-180(KGF)
Stem Clamp Bolts	10 Nm
Stem Plate	7 Nm
Torque Arm Bolt	7 Nm
Wheel Axle Nuts	40 Nm

AiPAS

Functions

7-Speed Gear System

Your Aipas eBike comes with a 7-speed freewheel. The freewheel is the cluster of sprockets on the rear wheel of your bicycle. While pedaling in 1st gear (lowest gear using the largest sprocket), it will be easier to pedal up hills. In 7th gear (highest gear using the smallest sprocket), it will be easier to reach higher speeds on flat or downhill terrain.

Throttle ⚠ WARNING!

The right handlebar features a twist throttle.

Check that the Pedal Assist (PAS) level is set above 0, then twist the throttle back slowly to achieve your desired speed and acceleration.

Mechanical Disc Brakes ⚠ WARNING!

Your Aipas is equipped with mechanical disc brakes.

To brake the front wheel:
Pull the left brake lever to activate the front brake.

To brake the rear wheel:
Pull the right brake lever to activate the rear brake.

Front and Rear Lights

Your Aipas eBike comes with integrated front and rear lights.

To turn lights ON: Press the button to turn on.

To turn lights OFF: Press the button to turn off.

Functions

Suspension Fork

Please check to ensure your suspension forks are properly adjusted for the terrain and your weight. The black knob does not have a function. The suspension fork will affect the handling of the bicycle, primarily when going over bumps and stopping. In some situations, it may be advantageous to lock the suspension so it is fully rigid.

Fully lock suspension:
Turn the knob clockwise towards the"lock" direction indicated until it cannot be turned further.

How To Use Pedal Assist

Pedal Assist (PAS) functions only when you are pedaling. If you do not pedal, the PAS will not activate. The motor output always depends on your pedaling and the PAS level you have set.

PAS automatically switches off at the maximum speed set for your Aipas eBike (up to 28 mph). When the speed falls below the maximum set speed, PAS automatically becomes available again.

You can also use your Aipas eBike as a normal bicycle without assistance at any time, either by turning off the display or by setting the PAS level to 0. PAS will not function if the battery is discharged.

When the bicycle has not been used for 10 consecutive minutes, the display will automatically shut down. The PAS and throttle features will no longer work when the display is OFF.

AiPAS

Functions

Walk Mode

Electric bicycles are heavier than bicycles. To make walking the bicycle easier, your Aipas is equipped with Walk Mode, which can be toggled on or off in the settings menu. Walk Mode may be subject to local regulations. Check your local regulations to determine if it is allowed.

To activate:
Hold down the minus (-) button on the display control pad and the motor will engage at a speed similar to a slow walk.

To deactivate:
Pull either brake lever to disengage Walk Mode OR press and hold the minus (-)button on the display control pad.

NOTE: When Walk Mode is active,"Walking" will appear on the display.

Cruise Control

Cruise control on your Aipas works similarly to cruise control on a car. The bike will try to maintain a speed based on the position of the throttle when cruise control is activated. For example, if the throttle is twisted all the way from its resting position (to a position that would normally maintain 20 mph) and the minus button is held, cruise control will be activated and set at 20 mph. Even if the bike is currently going slower than 20 mph, the bike will try to accelerate and maintain that speed because it was set based on that throttle position.

To activate:
Hold the minus (-) button while twisting the throttle.
To cruise at low speeds, only slightly twist the throttle and hold the minus (-) button.

NOTE: When Cruise Control is active, “Cruise" will appear on the display.

To deactivate:
Pull either brake lever to disengage Cruise Control.

Warning Messages

Frame

Never modify your frame or bicycle in any way as this could cause serious injury or death. Do not sand, drill, file, or remove parts from your bicycle. Do not install incompatible components or hardware.

Motor & Electric System

Do not open the drive unit yourself. The drive unit must only be repaired by qualified personnel using only original parts. This will ensure that the safety of the drive unit is maintained.

Unauthorized opening of the drive unit will render warranty claims null and void.

All components fitted to the drive unit and all other components of your Aipas eBike PAS system (e.g. chaining, chaining receptacle, pedals) must only be replaced with identical components or components that have been specifically approved by Aipas eBikes. This should help protect the motor from overloading.
Always remove the battery pack from your Aipas eBike before beginning work (e.g. inspection, repair, assembly, maintenance, work on the chain, etc.), transporting it with a car or on an airplane, or storing it. Battery pack removal should prevent unintentional activation of your Aipas eBike.
Do not make any modifications to your Aipas eBike or attach any other products that might increase the performance of your Aipas eBike. Doing so will generally reduce the service life of the system and risks damaging the drive unit and the bicycle. You also run the risk of losing the guarantee and warranty claims on the bicycle you have purchased.

Under extreme conditions, such as continuously high loads at low speeds when riding up hills or carrying loads, parts of the motor can reach high temperatures.

Brake System

ALWAYS apply the right brake lever (rear wheel) before and during the use of the front brake.ALWAYS apply even pressure to both brake levers when blowing down or stopping. If only the front brake is applied while slowing or stopping quickly, you may be ejected over the front handlebars.

Before riding, check to ensure brake levers do not touch the handlebars when fully applied, If either lever touches the handlebars screw or unscrew the barrel adjuster to increase tension in the brake cable. If this does not fix the problem, take your bicycle to an experienced bicycle mechanic for further adjustment.
Disc brake rotors will become hot during use and will stay hot for a short period after use. To prevent burns, do not touch the disc rotor right after use.

AiPAS

Warning Messages

Electrical Components

Always turn lights ON for your safety, especially when riding at night or in low visibility situations.

Set the display brightness such that you can adequately see important information like speed or warning symbols. Display brightness that is incorrectly set can result in dangerous situations.

Do not allow yourself to be distracted by the display. If you do not concentrate on the traffic around you, you risk being involved in a crash. If you want to change any settings other than the PAS level, always stop before changing the settings or display.

Range Estimates

The range the bicycle can go on a single battery charge can vary significantly between riders, terrain, wind conditions, user input, and additional cargo weight. The following table shows estimates of potential ranges riders may expect in different conditions.

All tests were performed with:

• Flat ground	• Few starts and stops	• Rider weight ~180 lbs
• Few bumps	• No additional cargo	• Top speed set to 20 mph
• Little to no wind	• Temperature ~75˚F	• CST BFT tires at ~30 PSI

Warning Messages

Tips to Increase Range

To get the maximum range out of each battery charge, there are some simple things you can do:

- **Ride at a lower PAS level**
- **Use lower PAS levels and pedal when climbing hills**
- **Pedal when starting from a standstill**

Battery

Only place the battery pack on clean surfaces. Avoid getting dirt, e.g.sand or soil, in the charging port and contacts.
Do not charge or use a battery pack if it is damaged. Contact AipaseBikes to order a replacement.
When unlocking and removing your battery pack from the frame, take care that it does not slide out while the bicycle is folded. If your battery impacts the ground and is damaged, discontinue use and contact Aipas eBikes immediately.

Top Speed

Your Aipas eBike ships with a maximum speed set at 20 miles per hour (mph). This means it is a Class 2 electric bicycle in states that recognize three classes of eBikes. In most states that only recognize eBikes generally, the 20 mph top speed is legal for use on public roads.

Class	Pedal Assist Speed Limit	Throttle Speed Limit
1	20 mph	Throttle not allowed
2 (Default)	20 mph	20 mph
3	28 mph	20 mph

Ride within your limits to prevent serious injury or death. Riding at higher speeds poses an increased safety risk. ALWAYS wear a helmet and obey the rules of the road.

NOTE: This setting represents the top speed in kilometers per hour. For Class 2 performance, this speed setting must not exceed 20 mph (32 km/h). For Class 3 performance, this setting will be set at 100, indicating the bike has been completely unlocked to enable speeds of up to 28mph.

Thinks To Know Before The Ride

Things To Check

- Check your eBike to ensure the front axle, the rear axle, the handle-bars, and the seat are secure.
- Check that both the handlebar latch and frame latch are fully closed and locked.
- Check the tire pressure of both wheels.

Pull the brake levers to make sure your brakes are working properly and adjust them if necessary.

NEVER exceed the maximum total weight limit of 400 lbs. (181.5 kg). The rear rack can hold a maximum of 75 lbs. (35 kg). As an example, if you have 40 lbs. (18 kg) of cargo, then the maximum weight of the rider would be 360 lbs. (163 kg)

Only carry the cargo you need. More weight will drain the battery faster and affect how the bike handles.

Ensure all components are properly secured.

Make sure your battery is fully charged.

Please secure your helmet.

Safety Tips

The acceleration of your eBike might be faster than anticipated and may feel unadaptable at first. Before your ride, Please use the lowest level of pedal assist (PAS 1) and become familiar with the operation of your Aipas eBike by practicing starting, stopping, cornering, and navigating obstacles in a safe environment away from other bicycles, pedestrians, and/or vehicles. You should also pay particular attention to terrain conditions as you may approach obstacles faster than expected.

The Pedal Assist may be activated as soon as you step onto the pedals and the bicycle is in motion. ALWAYS be seated on the bicycle and engage at least one brake before starting to pedal. DO NOT place one foot on a pedal then throw your other leg over the bicycle or your eBike could accelerate unexpectedly.

Thinks To Know Before The Ride

How To Start And End Your Ride

1. Insert key and turn counterclockwise to the ON position. The key will be parallel with the frame and you will not be able to remove the key from the battery pack.
2. Hold down the button located on the left handlebar until the display comes on.
3. Select a Pedal Assist (PAS) level using the plus (+) and minus (-) buttons. PAS 0 provides no motor assist. PAS 1 is the lowest level of assist and PAS 5 is the highest level of assist.
4. When the bicycle is at a complete stop, press and hold the button to turn the display OFF. This ensures the motor will not activate until the display is turned ON again and you are ready to ride.

Note:Exercise extreme caution when using the twist throttle. When at a complete stop with the bicycle power ON, be careful not to twist the throttle, or the bicycle could accelerate and cause you to crash.

Do not engage in Walking Mode when riding or sitting on your Aipas eBike. Holding the minus (-) button will engage the motor up to a walking speed.

Battery Safety

Battery pack refers to all original Aipas eBikes battery packs.

The safety of both our customers and our products is important to us. Our eBike batteries are lithium-ion batteries, developed and manufactured with the latest technology. We comply with or exceed the requirements of all relevant safety standards. When charged, these lithium-ion batteries contain a high level of energy. If a fault occurs (which may not be detectable from the outside), in very rare cases and under unfavorable conditions, lithium-ion batteries can catch fire. Take care when using and charging your battery. Failure to follow the guidelines below could damage property and/or serious injury. Contact Aipas eBikes immediately if you have any questions regarding battery safety.

Your Aipas eBike battery must not be opened, even for repairs. There is a risk your eBike battery could catch fire, e.g. due to a short circuit. This risk increases if an eBike battery that has already been opened is reused at a later point in time. Do not attempt to repair an eBike battery in the event of a fault. Have it replaced with an original Aipas eBike battery pack.

The battery is protected against deep discharge, overloading, overheating, and short-circuiting by Electronic Cell Protection (ECP). In the event of a fault, a protective circuit switches the battery pack off automatically.

Only use original Aipas eBike batteries for your eBike. Using other batteries can lead to injuries and pose a fire hazard. Aipas eBikes accepts no liability or warranty claims if other batteries are used.

To prevent serious injury or death:

- Do not leave your battery unattended while charging.
- When removing the battery, unplug the rubber stopper on the charging point.
- Please remove the battery from the bicycle when not in use and store in a secure location to prevent unauthorized use.
- Please do not submerge the battery in liquid of any kind.
- Do not touch the terminals on your battery.
- Turn the display OFF when not in use and before removing the battery pack.
- Battery leakage may occur under extreme usage or temperature conditions. Avoid contact with skin and eyes. Battery liquid is caustic and could cause chemical burns. If battery liquid comes in contact with the skin, wash quickly with soap and water. If the liquid contacts your eyes, immediately flush eyes with water for a minimum of 15 minutes and seek medical attention. The battery pack should not be excessively difficult to insert or remove. Do not force the battery pack in or out of the bike frame.

Battery Safety

- Battery charging times may increase with battery age and usage.
- Only grab the charger by the plug and not the cable when plugging and unplugging from the wall.
- If the battery has trouble charging, stop charging and contact Aipas eBikes immediately.
- Do not puncture or crush the battery pack. Do not impact the battery pack or modify it in any way. Do not use the battery pack if it shows visible damage. The aforementioned can increase the danger of fire or explosion.
- Protect the battery pack from heat (e.g., temperature >140°F), fire, and immersion in water. The aforementioned can increase the danger of fire or explosion.
- Always remove the battery pack before beginning work (e.g. inspection, repair, assembly, maintenance, work on the chain, etc.) on your Aipas eBike, transporting it via car or airplane, or storing it. Unintentional activation of the Aipas eBike poses a risk of injury.
- Do not open the battery. There is a risk of short-circuiting. Opening the battery voids any warranty claims.
- When the battery is not in use, keep it away from paper clips, coins, keys, nails, screws, or other small metal objects that could make a connection from one terminal to another. A short circuit between the battery terminals may cause burns or a fire. Short circuit damage which occurs in this instance voids any warranty claims against Aipas eBikes.
- Avoid mechanical loads and exposure to high temperatures. These can damage the battery cells and cause the flammablecontents to leak out.
- Do not place the charger or the battery near flammable materials. Ensure the battery is completely dry and placed on a fireproofsurface before charging. There is a risk of fire due to the heat generated during charging.
- Your Aipas eBike battery must not be left unattended while charging.
- If used incorrectly, liquid may leak from the battery. Contact with this liquid should be avoided. If contact occurs, rinse off with water. If the liquid comes into contact with your eyes, seek additional medical attention. Liquid leaking from the battery may cause irritation or scalding. Batteries must not be subjected to mechanical shock. If the battery is dropped or struck with another object, the battery may be damaged.
- The battery may give off fumes if it becomes damaged or is used incorrectly. Ensure the area is well-ventilated and seek medical attention if you experience any adverse effects. The fumes may irritate the respiratory system.

AiPAS

Battery Safety

- Only charge the battery using the original Aipas eBikes chargers. When using chargers that are not made by Aipas eBikes, the risk of fire cannot be excluded.
- Use the battery only in conjunction with your Aipas eBike. This is the only way in which you can protect the battery against dangerous overload.
- Use only the original Aipas eBikes battery packs that the manufacturer has approved for your eBike. Using other batteries can lead to injuries and pose a fire hazard. Aipas eBikes accepts no liability or warranty claims if other batteries are used.
- Keep the battery away from children.
- Always turn the display OFF before removing the battery pack.
- Always remove the key from the battery pack after each use. This prevents both unauthorized use of the powered features of your Aipas eBike and removal of the battery by unauthorized persons when your Aipas eBike is not in use. Failure to secure your bicycle from unauthorized use can result in death or serious injury to others.

Charge Safety

Locate the charge port on the side of the battery. You can charge the battery from this port while the battery is in or out of the bicycle.

- Do not leave your battery unattended while charging.
- Do not connect the battery pack to the charger until it has reached an allowable charging temperature.
- Do not charge the battery with chargers other than the charger provided by Aipas eBikes.
- Only charge the battery indoors and in dry spaces that are not excessively hot or cold (within 10°F of room temperature).
- Ensure there are no flammable items, dirt, or debris nearby when using the charger.
- The charger will automatically stop charging once the battery reaches its full capacity.
- The light on the charger will be red when the battery is charging and will turn green when charging has finished.
- Avoid leaving the charger plugged in when the battery is fully charged.
- Do not charge the battery if you notice the battery is damaged, excessively hot, leaking, smells, or is discolored.
- Charging the battery should take approximately 4-6 hours if the battery is mostly empty.
- Store the battery indoors in a dry space, away from heat or flame sources, and out of direct sunlight.
- The charger may get hot (>165˚F) when charging. Use caution and avoid touching the body of the charger.
- To reduce the risk of injury, charge only the batteries of your Aipas eBike. Other types of batteries may burst, causing personal injury and damage.
- Only charge Aipas eBikes-approved lithium-ion battery packs. The battery pack voltage must match the battery pack charging voltage of the charger. Otherwise, there is the risk of fire and explosion.
- Only use the original Aipas eBikes battery charger supplied with your eBike or one approved for your eBike by the manufacturer and purchased from a trusted source. Bypassing the battery charger or the use of a non-approved or counterfeit battery charger can lead to death or serious injury.
- Do not expose the charger to rain or wet conditions. If water enters a charger, there is a risk of electric shock.

AiPAS

Charge Safety

- Keep the battery charger clean. Contamination can lead to the risk of an electric shock. Clean only with the use of a damp cloth (mild soap/water).
- Always check the charger, cable, and plug before use. Stop using the charger if you find any damage. Do not open the charger. Damaged chargers, cables, and plugs increase the risk of electric shock.
- Do not operate the charger on easily ignited surfaces (e.g., paper, textiles) or in flammable environments. The charger may heat up and cause a fire.
- Take care if you touch the charger while it is charging. The charger can get very hot, especially when the ambient temperature is high.
- If the battery gives off fumes due to damage or incorrect use, ventilate the area and seek medical attention if needed. These fumes can irritate the respiratory tract.
- Batteries must not be subjected to mechanical shock. There is a risk of damage to the battery pack.
- Keep the battery charger away from children. This will ensure that children do not play with the charger.
- Persons who cannot safely operate the charger due to physical, sensory, or mental limitations, or due to lack of experience or knowledge, should only use it under supervision or after instruction by a responsible person to avoid operating errors and injuries.
- Note the household voltage! The voltage of the power supply must correspond to the specifica-options given on the battery charger nameplate.

To Charge:

Plug the cable from the charger into the port on the side of the battery pack.

Plug the charger power cable into an electrical mains wall socket. Use only the supplied input connection: standard AC power cord when connecting to the household electrical supply.

Note: The charging process is only possible when the temperature of your Aipas eBike battery is within the permitted charging temperature range.

Note: PAS is deactivated during the charging process.

After charging is complete and the light on the charger is green, disconnect the cable from the battery port and the power cord from the wall socket. If you have charged the battery in the bicycle frame, carefully insert the plug after charging, so that no dirt or water can enter the battery port.

Storing The Battery

Note of storing

Charging Battery Pack Before and During Storage

When the battery pack will not be used for weeks or months, remove it from the eBike and store the battery pack at about 60 % charge as indicated by the Energy Bar on the display. At about 60% charge, the battery will degrade less, compared to higher charge levels. Every 2-3 months check the battery charge level and recharge to 60%, if necessary.

Note: If the battery is stored at no charge for an extended period of time, it may be damaged despite the low self-discharge and may reduce the battery capacity.

For optimum service life for your battery pack, charge the battery pack to 100% a few hours before you plan to ride. For example, if you ride the bicycle and the charge level falls to 50% but you plan to use the bicycle again in a few days, wait until the day before you plan to use it again to charge it to 100%.

⚠ DO NOT charge the battery unattended or leave the battery connected to the charger overnight.

Leaving the battery permanently connected to the charger is not recommended.
As the battery pack ages, capacity will diminish and the battery pack will eventually need to be replaced. A significantly reduced operating period after charging indicates that the battery pack is worn out and must be replaced. You may replace it yourself by purchasing a replacement battery pack from Aipas eBikes.

Storage Conditions

If possible, store the battery pack in a dry, well-ventilated place. Protect it from moisture and water.Always store your Aipas eBike battery pack in a location that:

- The battery is in a room with a smoke alarm;
- The battery is away from combustible or easily flammable objects;
- The battery is away from heat sources.

For an optimum service life, store your Aipas eBike battery at temperatures between 50° F and 68° F. Never store it at temperatures below 14° F or above 140° F. Make sure the maximum storage temperature is not exceeded. Do not leave the battery in your car during the summer, for example, and store it away from direct sunlight.

NOTE: Leaving the battery installed on the bicycle for long-term storage is not recommended.

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Troubleshooting

Issue	Most Common Solutions
Bicycle will not turn ON.	1. Charge the battery until the light onthe charger turns from red to green.This may take up to 8 hours. 2. Insert key in the battery and turncounterclockwise to the ON positionor until the key is parallel with theframe. Then press and hold the bbutton to turn ON. 3. Follow the cable coming from thedisplay down to the quick plug. Youmay need to unravel some of theplastic wrapping to access it. With aquick pull (do not twist), unplug thequick plug, inspect both sides of theplug, and reconnect by lining up thearrows on both ends. After checkingthe quick plug, press and hold the bbutton on the display control pad toturn on.
Pedal assist or throttle do not work.	1. Check that the PAS level is setbetween 1-5. 2. To test if PAS is working, do notoperate throttle. 3. To test if the throttle is working, donot pedal. 4. Check all quick plugs.

Error Codes

The components of your Aipas eBike are continuously monitored automatically. If a fault is detected, the error code will appear on the display.

Error Code	Meaning	Most Common Solution
E003	PAS Sensor Fault	Check PAS quick plug
E006	Battery Under-voltage	Fully charge battery
E007	Motor Fault	Check motor quick plug
E008	Throttle Fault	Check throttle quick plug
E009	Controller Fault	Check controller connections
E010	Display,Communication,Reception Failure	Check display quick plug
E011	Display,Communication,Send Failure	Check display quick plug

Maintenance

⚠ Note: Our warranty does not include any maintenance fees

You should have your bicycle maintained at regular service intervals at your local bicycle shop.

NEVER open any of the components, including the battery, display, motor, or PAS sensor. Service should only be performed by a bicycle repair shop.
Always remove the battery pack before performing any bicycle inspection, maintenance, or repair.

If you suspect that something is loose, do not ride your bicycle. All nuts, bolts, and screws require the proper tightening force. Too little force and the fastener may not hold securely. Too much force and the fastener can strip threads, stretch, deform, or break. Either way, incorrect tightening force can result in component failure, which can cause you to lose control and crash. Take your bicycle to a bicycle repair shop for service.

Do not paint any components of your Aipas eBike as they may cause premature failure of the component.

Do not submerge your Aipas eBike or its components in water use a pressure washer to clean it.

Always observe the operating and storage temperatures of your Aipas eBike and its components. Protect motor, display, and battery pack against extreme temperatures (e.g. from intense sunlight without adequate ventilation). Extreme temperatures can damage components (especially the battery pack). Please have your Aipas eBike serviced at least once a year.

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Maintenance

Interval	Inspect	Service	Replace
Weekly, 100-200 mi (160-321km)	Check drivetrain for proper alignment and function (including the chain, freewheel, chainring,and derailleur). Check wheel trueness and for quiet wheel operation (without spoke noise). Check condition of frame for any damage.	Clean frame by wiping frame own with damp cloth. Use barrel adjuster(s) to tension derailleur/brake cables if needed.	Replace any components confirmed by Aipas Product Support or a certified,reputable bike mechanic to be damaged beyond repair or broken.
Monthly, 250-750 mi (402-1207km)	Check brake pad alignment, brake cable tension. Check bike is shifting properly, proper derailleur cable tension. Check chain stretch. Check brake and shifter cables for corrosion or fraying. Check spoke tension. Check accessory mounting (rack mounting bolts, fender hardware, and alignment).	Clean and lubricate drivetrain. Check crankset and pedal torque. Clean brake and shift cables. True and tension wheels if any loose spokes are discovered. Balance the battery.	Replace brake and shift cables if necessary. Replace brake pads if necessary.
Every 6 Months, 750-1250mi (1207-2011km)	Inspect drivetrain (chain, chainring, freewheel, and derailleur). Inspect all cables and housings.	Standard tune-up by certified,reputable bike mechanic is recommended. Grease bottom bracket.	Replace brake pads. Replace tires if necessary. Replace cables and housings if necessary.

Legal Warranty

Aipas ebikes warrants to the original registered purchaser that Aipas ebikes shall be free from all defects in material and workmanship for a period of one year from the date of purchase.

disclaimer of consequential and incidental damages: the original registered purchaser of this bike, subsequent owners, and all other intended and unintended users of this bike, shall not be entitled to recover from Aipas ebikes any consequential or incidental damages. there is no warranty of merchantability or fitness for a particular purpose. The warranty is non-transferable and only applies to the original owner. This warranty gives you specific rights and purchasers may also have other rights, which may vary from state to state. Damage caused by failing to follow instructions in the manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, installation of parts or accessories not originally intended or compatible with the Aipas eBike as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance is not covered under this warranty. Warranty parts will only be shipped within the continental United States.

Parts covered by the warranty: frame, forks, stem, handlebars, headset, seat post, saddle, brakes (excluding brake pads), lights, bottom bracket, crank set, pedals, rims, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, display (excluding damage due to water), kickstand, reflectors, and hardware. The battery warranty does not include damage from power surges, use of 3rd party charger, improper maintenance or other such misuse, normal wear, or water damage (including rust).

Accessories sold on Aipasbike.com are not covered under warranty.

Stolen bikes are not covered under warranty.

Necessary precautions must be taken to ensure the bike and battery are not exposed to severe weather conditions. Exposure to very wet, hot, or cold conditions may void the warranty. Aipas eBikes will replace any parts deemed to have been damaged during shipping. Shipping damage must be reported to Aipas eBikes within 14 days of shipment arrival. This applies to all products, including bikes and accessories.

You will NOT be refunded as compensation for your time or efforts in replacing damaged parts.

Replacement parts will not be sent until photographic evidence has been provided to Aipas eBikes. Aipas eBikes may request additional documentation (such as video) to assist with accurately diagnosing the problem and processing the warranty claim.

Most warranty parts are fulfilled 1-10 business days after the request is put into our system by a customer service representative. Warranty parts are sent using USPS First Class, FedEx Express, or FedEx Ground, depending on the size of the part. Warranty parts will not be expedited.

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Legal Warranty

Items including the chain, tires, wheels, rims, tubes, battery handle, brake rotors, brake pads, cables and housings, grips, and spokes are considered wear items. These items wear down with normal use and are not covered under warranty. You are responsible for replacing and maintaining these worn items.

Any unauthorized alterations or repairs are not covered and may void this warranty.

For warranty services, please contact Aipas eBikes' online support by email at service@aipas-bike.com. Bikes or parts returned without proper documentation may result in delayed service or denied warranty coverage. Warranty return shipping costs along with duties and taxes are the responsibility of the claimant. All unauthorized returns will be refused.

Note that your insurance policies may not provide coverage for accidents involving Aipas eBikes. To determine if coverage is provided, you should contact your insurance company or agent. Damage as a result of an accident is not covered under this warranty, and Aipas eBikes is not responsible for the repair or replacement of damaged bikes or parts.

Aipas eBikes reserves the right to change its warranty at any time and without notice.

Any action, lawsuit, or other proceeding, under this warranty or otherwise related to the bike must be commenced within ninety (90) days after expiration of the one-year warranty period.
Performance Disclaimer

The bikes listed range and top speed are estimates (not guarantees) of expected performance. Performance will vary with rider weight, cargo weight, rider/cargo shape (both contribute to drag), terrain, tire pressure, brake adjustment, throttle vs PAS usage, pedal power, battery charge level, ambient temperature, and wind conditions. Under certain conditions, it is possible to get ranges and top speeds that are different from the listed estimates.

Legal Warranty

Liability Disclaimer

Riding any kind of bicycle comes with inherent risks and dangers that cannot be predicted or avoided. These dangers could result in a serious accident, injury, or death of the rider. It is the sole responsibility of the rider to become properly educated and prepared to ride safely. Once in possession of the bike, Aipas eBikes strongly encourages and recommends that all customers have a certified and reputable bicycle mechanic complete a full inspection of each component on the bicycle to ensure it is safe for operation. Aipas eBikes makes no claims or guarantees that the brakes, battery, frame, motor, motor controller, display, electrical cables, electrical cable housings, fasteners, grips, fork, stem, shifters, headset, seat post, seat post clamp, handlebar stem clamp, saddle, wheel hubs, handlebars, spokes, rims, tires, tubes, derailleur, freewheel, cassette, throttle, kickstand, lights, reflectors, hardware, bottom bracket, or any other part or accessory, will be properly secured and adjusted upon arrival. Before every ride, fully inspect your bicycle to ensure everything is secured and adjusted properly.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference received, includinginterference that may cause undesired operation.
- Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits of a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This equipment complies with radio frequency exposure limits set forth by the FCC for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 5 mm between the device and the user or bystanders.
- This device must not be co-located or operating in conjunction with any other antenna or transmitter.