

FAT TIRES

MOUNTAIN BIKE



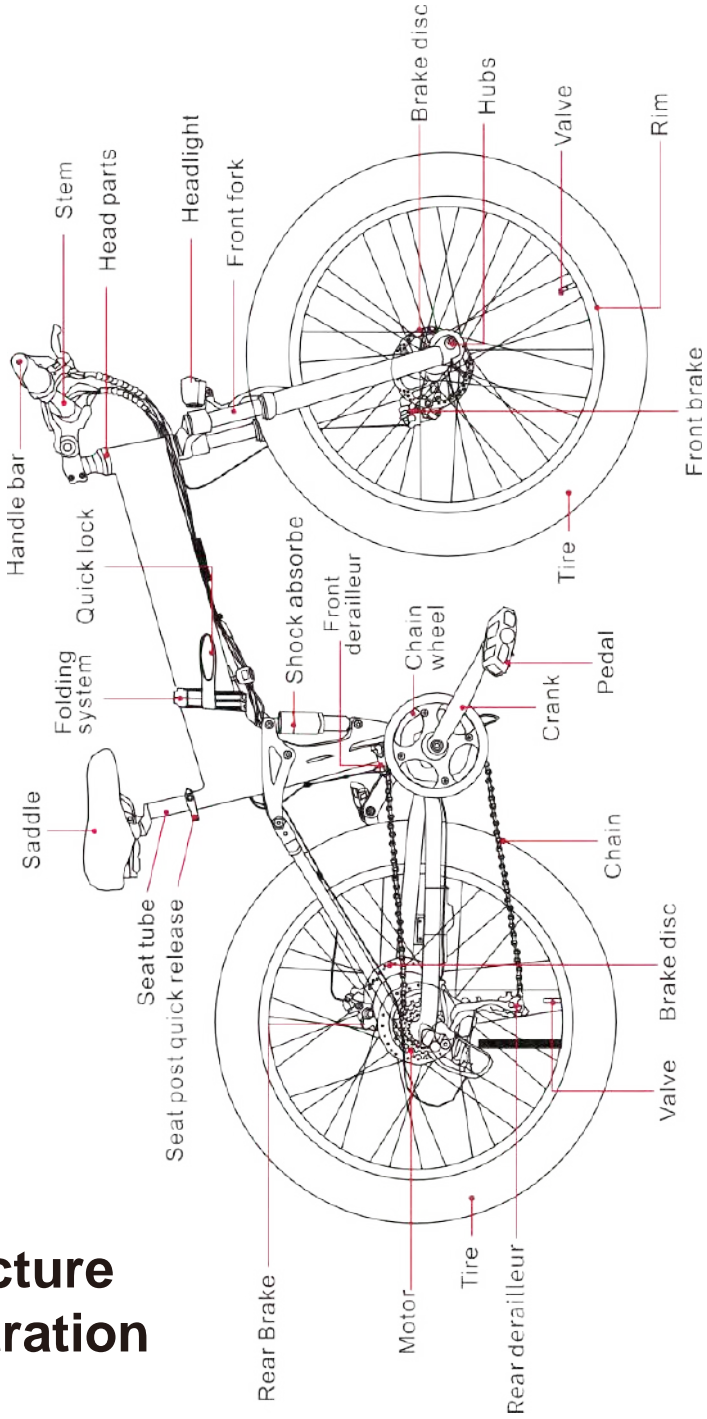
TotGuard[®]

Made in China

Catalog:

- 1** Structure Illustration
- 2** Product Safety Notice
- 3** Daily Maintenance Precautions
- 3** Parts list as following picture
- 4** Detailed handlebar description
- 5** Assembly
- 10** Assembly suspension fork
- 11** Charge Your E-Bike
- 12** Display and Setting
- 13** LCD Display Controls
- 14** LCD Display Operations
- 16** Daily Care and Maintenance
- 22** Specifications
- 23** Troubleshooting
- 24** Warning and Warranty

Structure Illustration



Product Safety Notice

Before your riding, please read this manual carefully and observe the following precautions:



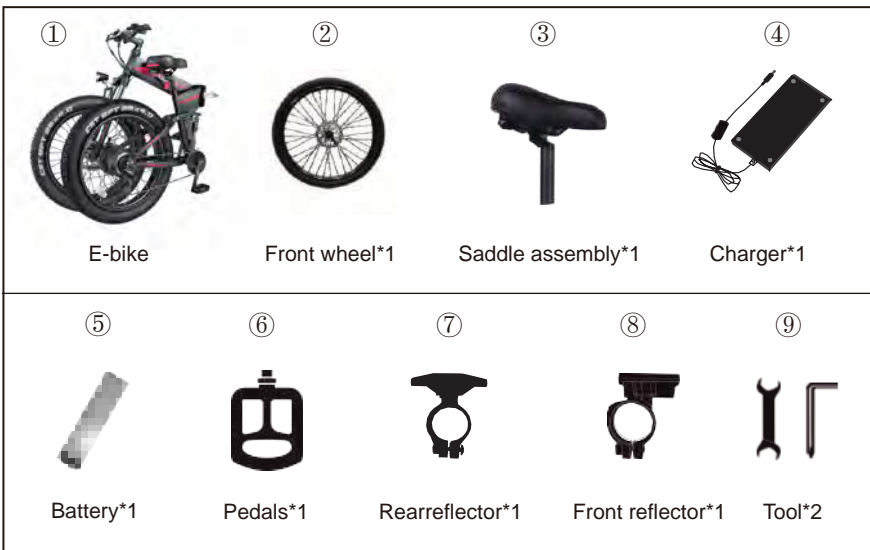
- Please remember to wear a helmet or other protectors to avoid injury when riding your electric bike.
 - Please make sure that all parts of the electric bike are properly installed and not damaged.
 - Please check whether the folded part is locked and the brake system is well.
 - Before use, please confirm whether the power is sufficient.
 - Before your riding, be sure to check that the tires are in good condition, inflated properly, and have sufficient tread remaining.
 - When feeling unwell physically or mentally due to illness or under the influence of medicine or alcohol, please do not ride ebike.
 - E-bike is designed for only one rider, and never try to ride double or more, or ride the e-bike holding a child or load.
 - Please do not climb slope over 30 ° ,and do not sharply speed up or slow down on the slope.
 - Never exceed the 300 lb(136 kg) maximum load rating.
 - Do not ride under wet conditions. The ebike may slide from under your feet causing injury. Wet conditions may damage the electronics and void the warranty.
 - Do not modify the product from the manufacturers original design.
 - Electric bicycle is only used as a daily means of transportation, and should not be used in extreme sports or other dangerous riding methods. Don't go up and down steps. Don't ride on the highway.
-

Daily Maintenance Precautions

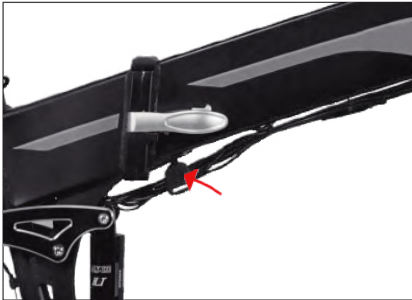
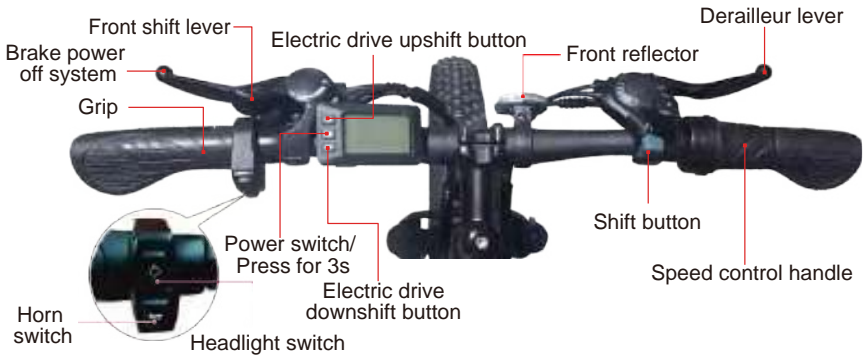
- ① Due to the particularity of lithium batteries, users should charge them at least once within a month. Damage to the battery due to improper maintenance is not covered by the warranty.
- ② Avoid prolonged exposure to sun or rain and avoid storage in places with high temperatures or corrosive gas.
- ③ Please don't use other brand battery, charger or cable and repair them by your own. Please don't charge overtime, it is better to charge in 0~40℃ environment.
- ④ Measure the tire pressure at least once each month and measure again before starting a long-distance riding. Without permission, never try to open or disassemble the battery, or perform any irrational operations on it or use it.

Parts list as following picture

Carefully remove the packaging material protecting the bike frame and components.



Detailed handlebar description



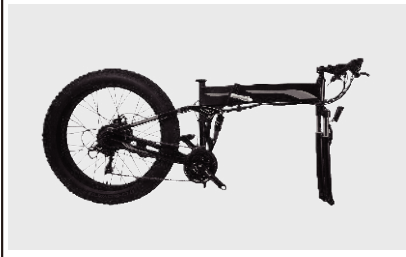
key hole



charge

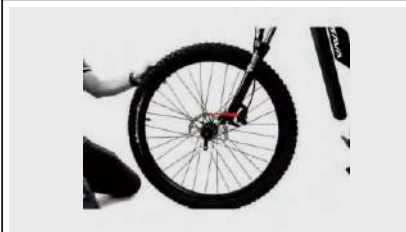
Assembly

1

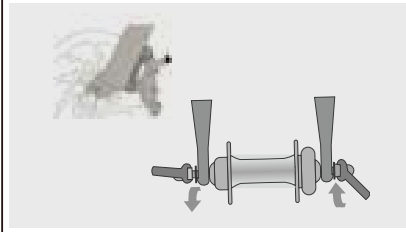


Remove the ebike from the package.

2



Take out the front wheel set and align it with the clearance of the front brake before installing it, then install.



A rod is pierced on the center shaft of the wheel. Tighten the nuts at both ends, and then use a wrench to lock it in a clockwise direction.

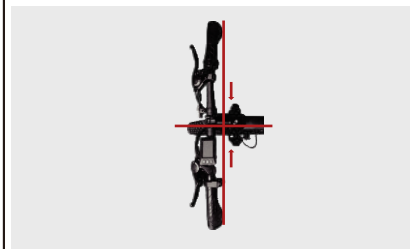


Check whether there is a gap on both sides of the disc motor after locking.

3



First remove the four screws of the stem, as shown in the gure, install the handlebar at the center point and lock the screws (5.1Nm)



Adjust the angle of the stem to the position perpendicular to the frame, first lock the screw of the stem cover, and then lock the two screws of the arrow.

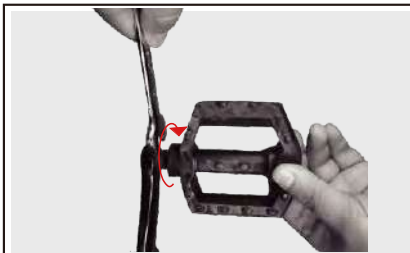
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Seat post quick release

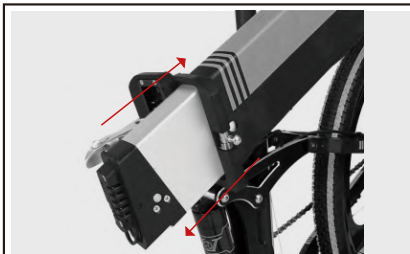
Install the seat, adjust it to a suitable height and fix it with quick release.

5



The left pedal is tightened counter clockwise and the right pedal is tightened clockwise.

6



The bicycle battery has been assembled before leaving the factory, and can be removed and installed later.

■ Mounting the handlebars



STEP1: Unscrew this latch with a tool and remove half of it.



STEP2: Pick up the handlebars, embed the middle of the handlebars and simply screw the other half of the latch into place.

■ Installation of headlights



STEP1: Unscrew this latch with a tool and remove half of it.



STEP2: Pick up the handlebars, embed the middle of the handlebars and simply screw the other half of the latch into place.

■ Mounting pedals



STEP1: Identify the markings and insert the corresponding holes.



STEP2: Tighten with a tool.

■ Installation of seats



STEP1: Open the latch and insert downwards.



STEP2: Just adjust to the appropriate height and close the latch.

■ Remove the battery



STEP1: Press the button to open the clamp.



STEP2: The battery can be removed by folding the frame slightly.

Assembly suspension fork

The suspension fork can move down about 6cm, helping you to handle bumps, rocks, and uneven terrain.

The lockout lever is located on top of the right side of the suspension fork. can be turned clockwise until it stops to fully lock out the suspension fork' s range. To unlock the lockout lever, turn the knob counter-clockwise until it stops and the resistance can be reduced.



Charge Your E-Bike

Step 1 The charge port is on the tail of the battery. See picture1.

Step 2 Insert the charging plug of the charger into the connecting charge port of the battery (*please make sure the charge port is dry*).

Step 3 When the charger indicator turns red, it is in charge; when it turns green, it is fully charged. After fully charged, please unplug the charger as long-time charging affects battery life.

Step 4 Please cover the charging port after charging in case of water in.

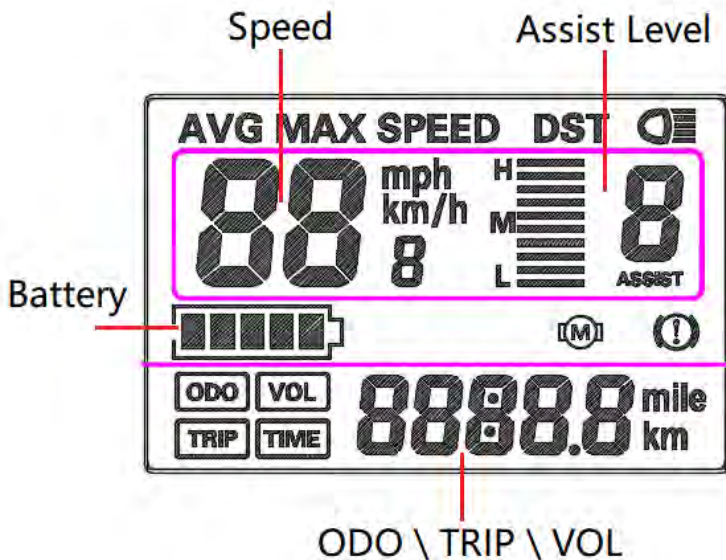
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**WARM
TIPS**

After charging the battery, please unplug the charger first and press the button. Then check the battery. If the battery light turns green, it turns out the battery is fully charged. Please make sure that the battery button is turned on that can be found on the top end of the battery when you want to check the battery level and LCD display.

Display and Setting



TRIP

These numbers show distance data for a single trip. Data is automatically

ODO

These numbers show odometer data (*i.e., cumulative distance*)

BATTERY LEVEL

This icon indicates how much battery life you have left.

POWER ASSISTED MODE

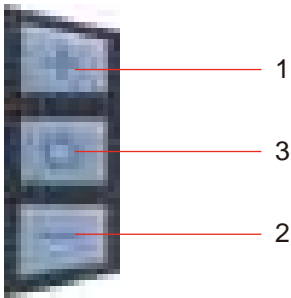
1,2,3: Displays the current power assisted mode.

VOL TIME

Those functions are not available.

LCD Display Controls

Operation	Directions
Turn on bike	Press and hold M until power engages(turn the battery first)(3)
Turn off bike	Press and hold M(3)
Increase pedal assist (PAS) level	Press + button (1)
Decrease pedal assist (PAS) level	Press—button (2)
Toggle odometer, trip odometer	short press "M" button (3)
Turn on headlight	Press once (4)
Activate Electric Bell	Press once (5)



LCD Display Operations

Setting Mode: When the ebike is on, press and hold + and — buttons at the same time for 3 seconds to enter the setting mode. Press once M to confirm and enter the next set. Press + or — to adjust the number. Press and hold + and — buttons at the same time for 3 seconds to quit the Setting Mode.

Mode	Function	Description	Validness
P01	Backlight brightnes	Level 1 is the darkest and level 3 is the brightest	Yes
P02	Mileage unit	0 for KM; 1 for MILE	Yes
P16	ODO zero setting	Long press + for 5 seconds to resume ODO to zero	Yes

Daily Care and Maintenance

Cleaning and Storage

If you see stains on the bike body, wipe them off with a damp cloth. If the stains won't scrub off, put on some toothpaste, and brush them with a toothbrush, then wipe them off with a damp cloth.

Notes: do not clean the bike with alcohol, gasoline, kerosene, or other corrosive and volatile chemical solvents to prevent dire damage. Do not wash the bike with a high-pressure water spray. During cleaning, make sure that the bike is turned off, the charging cable is unplugged, and the rubber flap is closed as water leakage may result in electric shock or other major problems. When the bike is not in use, keep it indoors where it is dry and cool. Do not put it outdoors for a long time. Excessive sunlight, overheating and overcooling accelerate the battery pack's life span

Battery Maintenance

- 1 Use original battery packs, use of other models or brands may bring about safety issues;
- 2 Do not touch the contacts. Do not dismantle or puncture the casing. Keep the contacts away from metal objects to prevent short circuits which may result in battery damage or even injuries and deaths;
- 3 Use original power adapter to avoid potential damage or fire;
- 4 Mishandling of used batteries may do tremendous harm to the environment. To protect the natural environment, please follow local regulations to properly dispose of used batteries.
- 5 After every use, fully charge the battery to prolong its life span.

Storage and Disposal

- 1 Please try to store the bike in a cool and dry place between 50 ° F – 77 ° F (10 ° C – 25 ° C). In extremely humid environments the interior of the bike may suffer condensation or even water accumulation, which may damage the battery rapidly. Devices are not intended for use at elevations greater than 2000m above sea level prolonged exposure to UV rays, rain, and the elements may damage the enclosure materials, store indoors when no tin use.
- 2 In daily use, try to avoid recharging the bike after completely exhausting the battery. If the battery is low, charge it as soon as possible.
- 3 Please charge the bike every other month to preserve the battery.

Recommended Service Intervals

Regular inspection and maintenance are key to ensuring bikes from Tot-Guard ebike function as intended and to reduce wear and tear on their systems. Recommended service intervals are meant to be used as guidelines. Real-world wear and tear, and the need for service, will vary with conditions of use. We generally recommend inspections, service, and necessary replacements are performed at the time or mileage interval that comes first in the following table.

Interval

Weekly,100-200 mi
Monthly,250-750 mi

Inspect

Weekly,100-200 mi -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 the condition of the frame for any damage.

Service

Clean the frame by wiping the frame down with a damp cloth.-Use barrel adjuster(s) to tension derailleur/brake cables if needed.

Replace

Replace any components confirmed by Support Team or a certified, reputable bike mechanic-Repair in a bike shop(*Support Team would cover all repairing costs*)

Interval

Monthly,250-750 mi

Inspect

Check brake and shifter cables for corrosion or fraying.-Check bike is shifting properly, proper derailleur cable tension.-Check brake pad alignment, brake cable tension, chain stretch and spoke tension-Check accessory mounting (*rack mounting bolts, fender hardware, and alignment*)

Service

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

Replace brake and shift cables if necessary-Replace brake pads if necessary.-Repair in a bike shop(*Support Team would cover all repairing costs*)

Interval

Every 6 Months,
750-1250mi

Inspect

Inspect drivetrain (*chain, chainring, freewheel, and derailleur*).-Inspect all cables and housings.

Service

Standard tune-up by a certified, reputable bike mechanic is recommended.-Grease bottom bracket.

Replace

Replace brake pads, tires, cables and housings if necessary.-Re-pair in a bike shop(*Support Team would cover all repairing costs*)

Pre-Ride Safety Checklist

Notice: Before every ride, and after every 25-45 miles (*40-72 km*), we advise following the pre-ride safety checklist

Safety Check

01: Brakes

Ensure front and rear brakes work properly. Check brake pads for wear and ensure they are not over-worn. Ensure brake pads are correctly positioned in relation to the rims. Ensure brake cables are lubricated, correctly adjusted, and display no obvious wear. Ensure brake levers are lubricated and tightly secured to the handlebar. Test that the brake levers are firm and that the brake and the brake light are functioning properly

02: Wheels and Tires

Ensure tires are inflated within the recommended limits posted on the tire sidewalls and hold air. Ensure tires have good tread, have no bulges or excessive wear, and are free from any other damage. Ensure rims run true and have no obvious wobbles, dents, or kinks. Ensure all wheel spokes are tight and not broken. Check axle nuts and front wheel release to ensure they are tight. Ensure the locking lever on the release skewer is correctly tensioned, fully closed, and secured.

Safety Check

03: Steering

Ensure the handle bars and stem are correctly adjusted, tightened, and allow proper steering. Perform a handle bar twist test to ensure the stem clamp bolts are secure. Ensure the handle bars are set correctly in relation to the fork and the direction of travel.

04: Chain

Ensure the chain is clean, oiled, and runs smoothly. Extra care is required in wet, salty/otherwise corrosive, or dusty conditions.

05: Bearings

Ensure all bearings are lubricated, run freely, and display no excess movement, grinding, or rattling. Check headset, wheel bearings, pedal bearings, and bottom bracket bearings.

06: Crank and Pedals

Ensure pedals are securely tightened to the cranks. Ensure the cranks are securely tightened and are not bent.

07: Derailleur and Mechanical Cables

Check that the derailleur is adjusted and functioning properly. Ensure shifter and brake levers are attached to the handlebar securely. Ensure all shifter and brake cables are properly lubricated.

08: Frame, Fork, and Seat

Check that the frame and fork are not bent or broken. If either frame or fork is bent or broken, they should be replaced. Check that the seat is adjusted properly, and seatpost quick release lever is securely tightened.

09: Motor Drive Assembly and Throttle

Ensure hub motor is spinning smoothly and motor bearings are in good working order. Ensure all power cables running to the hub motor are secured and undamaged. Make sure the hub motor axle bolts are secured and the torque arm, torque arm bolt, and torque washers are in place.

Safety Check

10: Battery

Ensure battery is charged before use. Ensure there is no damage to battery. Lock battery to frame and ensure that it is secured. Charge and store bike and battery in a dry location, between 50 ° F – 77 ° F (10 ° C – 25 ° C). Let the ebike dry completely before using again.

11: Electrical Cables

Look over connectors to make sure they are fully seated and free from debris or moisture. Check cables and cable housing for obvious signs of damage. Ensure headlight, taillight, and brake light are functioning, adjusted properly, and unobstructed.

12: Accessories

Ensure all reflectors are properly fitted and not obscured. Ensure all other fittings on the ebike are properly secured and functioning. Inspect helmet and other safety gear for signs of damage. Ensure riders are wearing a helmet and other required riding safety gear. Ensure mounting hardware is properly secured if fitted with a front rack, rear rack, basket, etc. Ensure the taillight and taillight power wires are properly secured if fitted with a rear rack. Ensure the fender mounting hardware is properly secured if fitted with fenders. Ensure there are no cracks or holes in fenders. If installed, ensure the optional rear wheel lock is secured in the unlocked position and the key is removed before every ride.

Tire Inflation and Replacement

The Race employs 26"×4.0inch rubber tires with inner tubes. The tires are designed for durability and safety for regular cycling activities and need to be checked before each use for proper inflation and condition. Proper inflation, care, and timely replacement will help ensure that your bike' s operational characteristics will be maintained, and unsafe conditions avoided.

Recommends 30 PSI for the tires.



It is critically important that proper air pressure is always maintained in pneumatic tires. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Failure to always maintain the air pressure rating indicated on pneumatic tires may result in the tire and/or wheel failure.

Inflate your tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them, resulting in a burst tire.

Even tires equipped with built-in, flat-preventative tire liners, like those that come with bikes, can and do get flats from punctures, pinches, impact, and other causes. When tire wear becomes evident or a flat tire is discovered, tires and/or tubes must be replaced before operating the bike, or injury to operators and/or damage to your bike could occur.

Specifications

NAME	SPECIFICATIONS
Model	T-268
Item	26 inch Fat Tire
Folded Size	3.45ft*2.3ft*3.28ft(L*W*H)
E Bike Weight	66Pounds
Max Load	300lbs
Max Speed	21.6mph
Battery Adaptation	DC 54.6V 2A
Battery	48V 10Ah
Pedal-Assist Mode	Max 60 miles
Pure Electric Mode	Max 28-30miles
Max Angle of Climb	30degrees
Charging Time	Around 5 hours
Tire Pressure	30 PSI
Frame Material	Aluminum Alloy
Dashboard	LCD Display
Drive Type	Rear Drive
Brake Type	Mechanic Disc Brakes
Chain set	24-34-42 Tooth
Gears	21S
Chain	KMC Z7 RB
Motor	High speed 500W motor
Tire Size	26inch*4inch

Troubleshooting

Symptoms	Possible Causes	Most Common Solutions
The bike does not work	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Improper turn on sequence 5. Blown discharge fuse 	<ol style="list-style-type: none"> 1. Charge the battery 2. Clean and repair connectors 3. Install battery correctly 4. Turn on bike with proper sequence 5. Replace discharge fuse
Irregular acceleration and/or reduced top speed	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Loose or damaged throttle 3. Misaligned or damaged magnet ring 	<ol style="list-style-type: none"> 1. Charge or replace battery 2. Replace throttle 3. Align or replace magnet ring
The motor does not respond when the bike is powered on	<ol style="list-style-type: none"> 1. Loose wiring 2. Loose or damaged throttle 3. Loose or damaged motor plug wire 4. Damaged motor 	<ol style="list-style-type: none"> 1. Repair and or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
Reduced range	<ol style="list-style-type: none"> 1. Low tire pressure 2. Low or faulty battery 3. Driving with too many hills, headwinds, braking, and/or excessive load 4. Battery discharged for a long period of time without regular charges, aged, damaged, or unbalanced 5. Brakes rubbing 	<ol style="list-style-type: none"> 1. Adjust tire pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Balance the battery; contact Tech Support if range decline persists 5. Adjust the brakes
The battery will not charge	<ol style="list-style-type: none"> 1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged 5. Blown charge fuse 	<ol style="list-style-type: none"> 1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace 5. Replace charge fuse
Wheel or motor makes strange noises	<ol style="list-style-type: none"> 1. Loose or damaged wheel spokes or rim 2. Loose or damaged motor wiring 	<ol style="list-style-type: none"> 1. Tighten, repair, or replace 2. Reconnect or replace motor.

Warning and Warranty

Warning

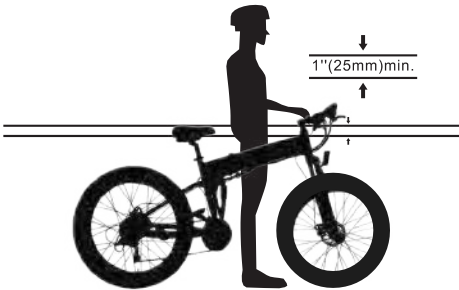
Users should take full responsibility for the security problem resulting from improper use.

- 1 Please don't use other brand battery, charger or cable and repair them by your own. Please don't charge overtime, it is better to charge in 0~40°C environment.
- 2 This bike is for daily use only. Don't use it in competitive situations.

Warranty

The products are subject to the relevant national regulations, and provide free maintenance, exchange and return services for products that meet the warranty conditions.

Your satisfaction is our top priority. Customers need to ensure that the package is in perfect condition when receiving it. We provide lifelong technical support, and one-year service for the electric motor, battery, and other parts except for the frame. If there any issue with it, don't hesitate to contact us, and we will respond and solve it within 24 hours.



Stand over the bicycle and straddle the top tube proper clearance is a minimum of 1" (25mm) between highest part of the top tube inseam of the rider.

FCC STATEMENT:

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

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received including interference that may cause undesired operation.

Warning:

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

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide

reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.