

Product Installation Video



Thanks for Choosing TUTTIO!

We hope you enjoy riding your new Tuttio Electric Bike. Tuttiosport is committed to providing you with the best quality products and service.

This manual will help you assemble and operate your new electric bike. Please make sure to read all the information in this manual before your first ride.

If you have any questions or need help, don't hesitate to contact us using the following details:

Email: info@tuttiosport.com

WhatsApp Account: +1 2023009345

Website: www.tuttiosport.com



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Product Safety Notice

Read This Before You Ride

	Always wear a helmet when riding your electric bike.
	Keep the keys properly. If the unique keys are lost, you will not be able to lock&unlock the bike.
	Make sure your electric bike has been full charged before riding.
	Please make sure to comply with local traffic laws and regulations while riding.
	Do not ride after consuming alcohol or certain drugs.
	Always respect pedestrians.
	Do not ride in extreme conditions such as rain, snow, or strong winds. The electric bike may slip and cause injury. Wet conditions can damage electronic components and affect the warranty.
	NOTE TO ALL RIDERS UNDER 18 YEARS OF AGE: Please ride the e-bike with your guardian's permission.

1. Safety and Precaution

1.1 WARNING

1. Operating of an electric motorcycle carries inherent risks. Under specific circumstances, elements of the motorcycle might malfunction, not due to any flaw in their creation. The motorcycle, designed for movement, holds the potential for instances where control is relinquished, resulting in falls, accidents, or perilous scenarios that surpass the effectiveness of cautiousness, guidance, or skill. In the event of such occurrences, grave injuries or loss of life can ensue, irrespective of the utilization of protective gear and other safety measures. Undertake this ride activity with an understanding, **RIDE AT YOUR OWN RISK AND ALWAYS USE COMMON SENSE.**
2. The instruction user manual contains many warnings and cautions, user should concern the consequences of failing to inspect, maintain when use your electric motorcycle. We declare that users are injured or even death under warnings and reminders. We have repeatedly reminded each warning, and the responsibility is borne by the user.
3. Those who haven't read this user manual carefully in advance are not allowed to use this electric motorcycle.
4. Install all the parts of this electric motorcycle properly following this user manual, otherwise improper installation may lead to control failure, collision or crash. Turn the power off before installation, repair or maintenance. Install the parts appropriately, neither too loose nor too tight, otherwise it might cause damage or failure.

1.2 Rider Use

Tips for parents: as a parent or a guardian, you are responsible for your child's activities and safety. It is highly recommended that your child is kept away from the motorcycle.

Persons with the following conditions shall be cautioned not to operate: Those with heart conditions, pregnant women, persons with head, back, or neck ailments, or prior surgeries to those areas of the body. Persons with any mental or physical conditions that may make them susceptible to injury or impair their physical dexterity or mental capabilities to recognize, understand, and perform all of the safety instructions and to be able to assume the hazards inherent in unit use Before ride, please check the local laws or regulations which may affect the locations where the electric motorbike may be used.

This manual is not intended to function as a detailed service manual. TUTTIO Bikes recommends having your local bike shop mechanic perform a detailed safety check of your bike before your first ride. Ensure your local mechanic is experienced and reputable. The TUTTIO ARC can withstand common rain showers without sustaining serious damage.

Please note that it does not mean that the bike and its mechanical and electrical components are all and complete waterproof. We do not recommend storing or using the bike in excessively wet conditions. The TUTTIO Bikes warranty policy does not cover water damage.

Before ride, please check the motorcycle status, ensure everything is safe then start the riding.

1.3 SAFE RIDING ATTIRE

Require wear proper protective equipment:

Approved safety helmet (Always required wear helmet for all location);

Gloves;Elbow & knees pads;Long pants;

Fasten shoes with laces and rubber soles.

Refrain from riding without footwear or in open-toed shoes.

It is recommended you wear goggles to keep your eyes away from contaminants, dust and insects.

Please wear goggles with darker glasses in strong light and more transparent glasses in poor light.

DO NOT ride in high-heeled shoes.

1.4 Battery

1. Do not leave your battery unattended while it is charging.
2. Do not charge the battery with chargers other than the charger provided by TUTTIO Bikes.
3. Only charge the battery indoors in dry spaces that are not excessively hot or cold.
4. Ensure there are no dirt, debris, or flammable items nearby when using the charger.
5. The charger will automatically stop charging once the battery reaches its full capacity.
6. Store the battery indoors in a dry space, away from heat or flame sources and out of direct sunlight.
7. The charger may get hot when charging. Be careful and avoid touching the charger while charging.



WARNING: Do not store the battery in temperatures above 70° F (21° C) or below 32° F (0° C). Make sure to wash your hands after handling batteries as they contain chemical compounds.



WARNING: Do not dispose of batteries in a fire. The batteries may explode.

Do not mix old and new batteries.

Do not mix alkaline, standard(carbon-zinc), or rechargeable (nickel-cadmium) batteries.

The product contains lithium-ion(LFP) batteries that must be processed according to applicable local regulations concerning batteries. You should not discard the Lithium-ion battery or the Lithium-ion batteries in the trash. This product contains sealed, Lithium-ion batteries and must be disposed of properly.

For more information, contact your local recycling/reuse or hazardous waste center.

Keeping your battery safe and healthy

1. Do not submerge the battery in liquid of any kind.
2. Do not touch the terminals at the back of the battery.
3. Remove the battery from the bike if it will not be used for a long time.
4. The battery should not be excessively difficult to attach or remove from the battery mount. Do not force the battery to avoid the risk of damage or personal injury.
5. Battery charging times may increase with battery age and usage.
6. Only grab the charger by the plug, not the cable, when plugging and unplugging it from the wall.
7. If you know you won't be using the battery for more than a few days, keep it charged at about 75% capacity. At 75%, the battery will degrade less than at higher charge levels.
8. Periodically check your battery's charge level about once per month and charge back up to 75% if necessary.
9. If you want to increase the number of cycles your battery will last for, charge your battery to 100% a few hours before you plan to ride it. For example, if you ride the bike and the charge level falls to 50% but you plan to use the bike again in a few days, wait until the night before you plan to use it again to charge it up to 100%.
10. When your battery has worn out and is no longer usable, dispose of it according to your country or district regulations. Country regulations regarding battery disposal vary, so it is important to find out the rules in your country or district. Lithium-ion batteries cannot be put in with normal garbage.

1.5 Prohibited Road Section

DO NOT drive on the highway & motorway

DO NOT drive on roads with slopes higher than 30°, and never risk passing the abrupt slope, uneven surface or other unfamiliar terrains.

DO NOT ride indoors or on surfaces that could become damaged such as carpet or flooring. It is prohibited that you practice outdoor until you have been sufficiently familiar with the operation methods of the motorcycle. The more times you practice, the safer you can ride in new circumstances. Please note the essentials of practice: what you need first is primary practice in an obstacle-free area (>10mx10m) to practice riding forward, making turns and stopping. Keep yourself relaxed while practicing. When you practice for the first time, it is recommended that you do this with the guidance of an experienced person or coach. Try to practice passing narrow areas, turning and stopping as your practice deepens. You are not allowed to ride on normal roads until you are able to control your motorcycle to pass a narrow area precisely and have simulated all types of terrains. You may have a different riding experience every time you have your electric motorcycle upgraded. Therefore, see to

it that you practice in the same obstacle-free area as if you were a beginner for the first time you ride the motorcycle after upgrading.

DO NOT ride on water, mud ice, bumpy, uneven, slick or rough surfaces. immerse the motorbike in water, electrical and drive components could be damaged by water or create other possible unsafe conditions.

DO NOT ride in areas of limited visibility.

DO NOT ride on the motor way or run a red light. Follow traffic rules and give way to pedestrians.

Please respect the rights of the others who share the road or path with you, including motor cyclists, cyclists, pedestrians and other riders. Strengthen your awareness of self-protection while riding.

Watch out for yourself, vehicles and pedestrians.

1.6 DO NOT load over 150LBS when using motorbike.

We recommend the rider's weight approximate 75KG, loading over over 75KG it will bring permanent damage to motor and chain.

1.7 Inclement weather

DO NOT ride in inclement weather such as rainy, wet, humid, dry, arid, frigid, foggy, windy, or stormy.

DO NOT dip the battery and motorcycle frame into water, expose it to storms or ride in the rain for a long time.

DO NOT clean the motorcycle with powerful water stream or a high-pressure water gun to avoid waterlog in the charging port. In the event that your motorcycle is exposed to storms for a long time, please stop using it immediately, wipe it with a piece of dry soft cloth, and contact after-sale service personnel.

DO NOT do anything other than wiping the motorcycle in case of voided warranty due to any misconduct.

1.8 High temperature operation parts

DO NOT touch the motor or brakes on the motorcycle when after use as these parts can become extremely hot and damage body skin.

1.9 Minimize risk

To minimize your risk and make life endanger, always maintain a hold with both hands on the handlebars when user start riding, DO NOT doing any High-Risk Maneuver to increase the risk while riding.

DO NOT use your motorcycle as a cargo carrier.

When approaching or crossing an intersection, motor way, turning or passing by a door/gate, please slow down and give way to the pedestrians, bicycles and motor vehicles.

DO NOT ride your motorcycle when you are sick or cannot fully comply with the instructions specified in this user manual, or after you take medicine or drink alcohol. Obey local traffic law and regulations which may affect the locations where the










electric motorcycle may be used. You are obliged to be informed of and observe the laws of the place where you are located.

Package Contents

Carefully check the package contents, if anything is missing or damaged, please contact TUTTIO Electric Bikes customer service team for assistance:

info@tuttiosport.com

Please retain the packaging box for at least one month.

		
Main Body	Front Mud Board	Front Number Plate
		
Charger	Key	Pedals
		
Tools	Battery	Manual

2.Assembly



2.1 Handlebar Assembly



A. Turn the stem to the front. Make sure that the front fork does not turn with the stem, so the front fork arch is at the front of the bike, not at the back.

B. Remove the faceplate of the stem.



C. Ensure that the cables run cleanly from the handlebar and are not twisted. Do not remove or detach the cables.

D. Insert the handlebar then reattach the faceplate of the stem.



E. Tighten the screws on the faceplate. Alternate between the screws to ensure that the face plate has a consistent gap from the stem along all edges and is securely tightened. The handlebar should be aligned so that once the front wheel is installed, the brake levers are at a 45-degree angle to the ground.

F. Tighten the screw under the black rubber cover on the top of the fork.

G. Align the stem with the front fork and tighten the two screws on the stem.

2.2 Pedals Assembly



A. Lock the screw on one side, install the pedal, pass through the frame, and then install the pedal and lock the screw

2.3 Battery Assembly

For your convenience, the battery on ARCHON PLUS / VIPER PLUS can be removed with a key



Lock



Unlock



Install the battery

A. To remove the battery, please insert the battery key into the keyhole first. Turn the key counterclockwise to unlock and push the battery to the left to remove the battery.

B. Carefully slide the battery into the battery holder on the down tube. Turn the key clockwise to lock the battery onto the frame, then remove the key and keep the key in a place you always remember.

WARNING: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

- A. Before each use, lock battery and remove the key. If the lock does not lock up or the key cannot be removed, the battery has not been properly installed. Please remove the battery and install it again.
- B. When removing the battery, turn the key counterclockwise to unlock. slide the battery upwards and lift it off the down tube.
- C. When the battery is removed, be careful not to drop or damage it. Avoid damaging the exposed connector terminals and keep them clear of debris or water.
- D. Please do not force the battery into the battery holder. Slowly align and push the battery into the battery holder to the right.
- E. Ensure the battery has been properly secured to the bike before each use. Carefully pull upwards on the battery with both hands to test the security of

its attachment to the mount.

F. Keep the keys properly. If the unique keys are lost, you will not be able to lock/unlock the battery. It is recommended to store two keys separately. If necessary, you should get more spare keys. We cannot guarantee the provision of a backup key.

2.4 Charge Your E-Bike

A. The battery can be charged while attached or detached from the bike. To remove the battery, see the previous "Remove Battery" section for details. You should plug your battery in when you first receive it to ensure it is fully charged prior to your first ride.

B. Remove the rubber cover on the charging port on the right side of the battery. Insert the charger output plug into the battery charging port.

C. Plug the charger into a power outlet. Charging should initiate and will be indicated by the LED charge status light on the charger turning red.



D. Once fully charged, the charging indicator light will turn green. Unplug the charger from the power outlet first and then remove the charger output plug from the battery charging port. Avoid leaving the charger plugged in when the battery is fully charged.

Please note: Each grid of the battery power indicator represents 25% of the power. When the battery is fully charged, the indicator will show three green grids and one red grid. When all green indicators disappear, it means that the power is only 25% left. Please charge the battery in time to avoid excessive loss of battery life.

2.5 How to Start The Electric Bike

- A. Install and lock the battery , remove and keep the key safe.
- B. Press the button on the right of the battery to turn on the battery.
- C. Insert the key and turn on the throttle, press and hold the power button until the instrument display lights up.



3. Specification & Parameter Table

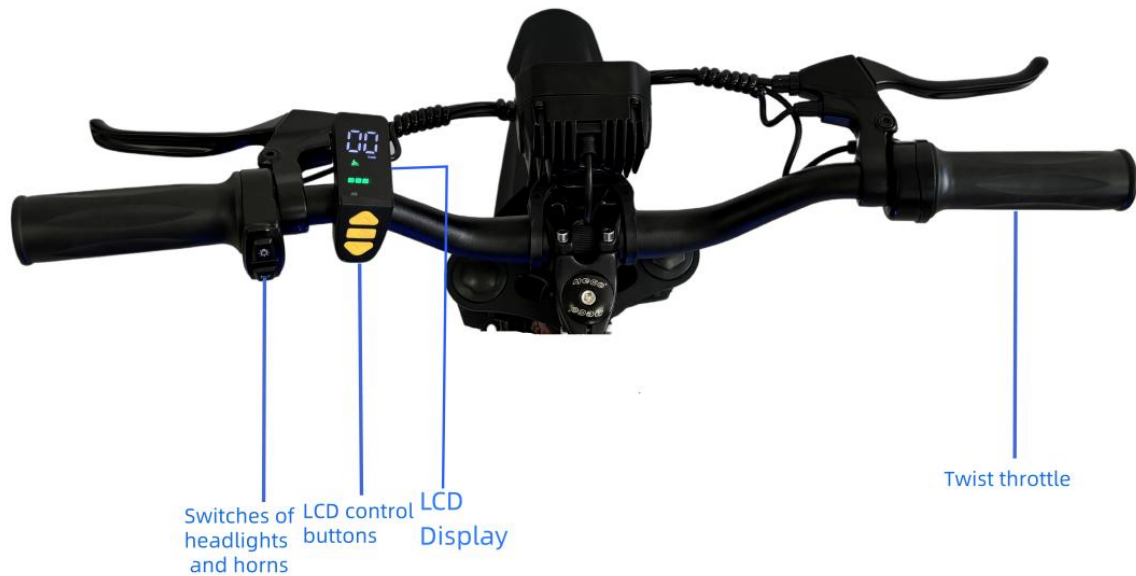
Product Specification

Project	Content	Parameter
Basic information	Model	ARC-I
	Weight (Include battery)	24.5kg
Riding Requirements	Age	8-15
	Max load	75kg
Main Specification	Power	750W/1000W
	Seat Height	60cm
	Wheelbase	93cm
	N.W.	21.5kg
	G.W.	29kg
Battery	Battery type	Li-ion battery
	Capacity	13Ah
	Charging time	7-8hrs
Motor	Motor rate power	750W/1000W
	Capacity	36V
Temperature	Applicable temperature	32° F-86° F
	Applicable temperature for storing battery	(Most applicable temperature range Battery is 68° F~45° F)
Size	Product Size	1350*850*600mm
	Package size	1370*220*750mm

Note: The value of the cruising range will vary greatly due to different test environments. We are committed to continuously improving product performance. Product specifications and manual content may be changed in the future without prior notice. Please understand! If the icons, pictures, etc. in the manual are different from the actual product. Please refer to the actual product.

4.Start and Operation

4.1 Operation Instruments



4.2 Display Overview



The e-bike a more strenuous activity. To make walking the e-bike easier, TUTTIO bikes are equipped with walk mode.

If you depress the down button on the display control pad, the motor will be engaged at a speed similar to that of a slow walk. Once you release the down button, the motor will stop running.

To deactivate walk mode, please press and hold the down button again.

4.21 Display Settings

To change display settings, hold the up and down button simultaneously to enter the advanced settings menu. In this menu, clicking the up and down

button to toggle from P01 to P18. Clicking the **i** button to flash the value number. To adjust the value of each setting, click the up and down

accordingly. **After changing the value, hold the **i** button within 10**

seconds to save changes. If there is no save or no action within 10 seconds, you will automatically exit the advanced settings without saving values.

Parameter serial number		Parameter value	Parameter value description
Parameter 01	Toggle Unit Unit Settings	0~1	0 stands for the metric system, 1 stands for the British system (0)
Parameter 02	LCD Luminance backlight brightness	1~4	1 the most visible, 4 the brightest (4)
Parameter 03	Sleep Time	0~60(min)	Set the time for automatic hibernation without operation, of which 0 means no automatic hibernation (5)
Parameter 04	Wheel diameter setting	5.0~50.0	According to the actual motor settings
Parameter 05	Speed Limit Speed Limit Setting	0~100(Km/h)	0 means unlimited speed, and the specific speed limit effect depends on the controller.
Parameter 06	Throttle speed throttle type	0~1	0 represents the normal handle, and 1 represents the speed limit of 6KM/H; this parameter is the 5S protocol parameter, and the No. 2 protocol is invalid; (0)
Parameter 07	Current Limit Limit Current	10~20	10A~20A
Parameter 08	Cruise Control Fixed Speed Cruise	0~1	0 means closed, 1 means open (0)
Parameter 09	Drive Mode	0~2	0 represents pure power, 1 represents pure electric, and 2 represents hybrid mode (2)
Parameter 10	Gear number	3.5	3 represents 3 gears, 5 represents 5 gears (5)

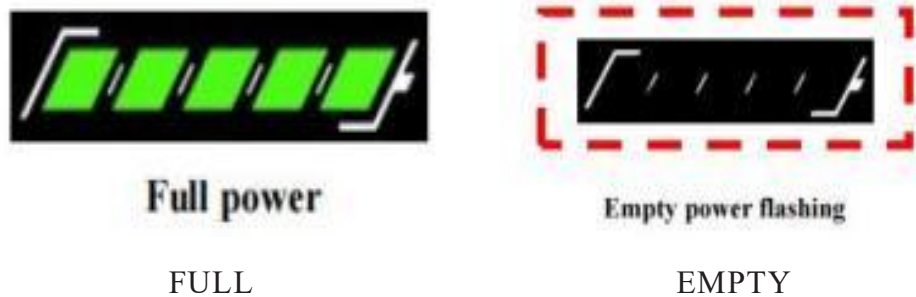
You must check your local laws and regulations to determine if it is lawful to ride this bike on public roads before adjusting the bike's top speed. Laws vary by trail, path, and road, so be sure to check in each new location where you will be riding.

4.23 Battery Capacity Display

On the top of the LCD display, a battery indicator bar can be found which is labeled "energy bar". This battery indicator shows the estimated charge left in the bike's battery. As the battery depletes, tick marks will begin to disappear according to approximately how much charge has been used. The various charge level indicator states are shown below. The battery display will flash when there is no charge remaining.

Note: The energy bar will not always be accurate. The energy bar updates every few minutes based on the voltage of the battery. The voltage of the battery will change constantly while it is in use. When the current drawn

from the battery increases, such as on an uphill slope, the voltage will decrease. So it is normal for the battery bar to suddenly decrease when going uphill.



4.3 Error code display

When a fault occurs in the electronic control system of the power assisted bicycle, the meters will automatically show the fault code, see the following table for the definition of the detailed fault code.



Lithium Battery Protocol 2 fault Code		5S Protocol fault Code	
02	Brake fault	21	MOS fault
06	Under-voltage fault	22	Throttle fault
07	Residual current sensor fault	23	Residual current sensor fault
08	Throttle fault	24	Hall sensor fault
09	MOS fault	25	Brake failure
14	Hall sensor fault	26	Under-voltage fault
30	Communication fault	30	Communication fault

Symptoms	Possible Causes	Most Common Solutions
The bike does not work	<ol style="list-style-type: none"> 1. Battery not fully installed into frame mount receptacle 2. Battery switch turn off 3. Insufficient battery power 4. Faulty connections 5. Improper turn on sequence 6. Brakes are applied 7. Blown discharge fuse 	<ol style="list-style-type: none"> 1. Install battery correctly 2. Turn on the battery switch 3. Charge the battery 4. Clean and repair connectors 5. Turn on bike with proper sequence 6. Disengage brakes 7. 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 	<ol style="list-style-type: none"> 1. Charge or replace battery 2. Replace throttle
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, headwind, braking , and/or excessive load 4. Battery discharged for long period of time without regular charges, aged, damaged, or unbalanced 	<ol style="list-style-type: none"> 1. Adjust tire pressure 2. Check connections or charge battery 3. Balance the battery; contact customer support if range decline persists
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	1. Loose or damaged wheel spokes or rim 2. Loose or damaged motor wiring	1. Tighten, repair, or replace 2. Reconnect or replace motor.
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5. Maintenance

Battery: Only use the supplied battery. If battery is discontinued to use Please replace with the battery we supplying and recommending immediately.

Charger: Only use the supplied charger. If battery is discontinued to use Please replace with the charger we supplying and recommending immediately.

Wheels: Wheels and drive system components are subject to normal deterioration or wear. It is the responsibility of the user to systematically inspect wheels for excessive wear and to appropriately adjust and replace drive train components as necessary.

Replacement Parts: Most of the common replacement parts are available for purchase with our website.

6. Trouble Shooting

Problem	Possible Cause	Solution
Motorcycle will not start and run	1.Battery is not fully charged 2.Wire or cable are loose or unplugged	1.Fully charge the battery. First charge should be 12 hours and up to 8-9 hours for recharges 2.Check to all cable are tightly plugged into the controller

Motorcycle will not start and run the time is short	<ul style="list-style-type: none"> 1.Battery requires charging 2.Battery will not accept full charge 3.Rear tire is not properly inflated 4.Continuous riding at a high speed. 5.Frequent uphill riding or riding against wind, frequent brake, heavy load. 	<ul style="list-style-type: none"> 1.Fully charge the battery, First charge should be 12 hours and up to 8-9 hours for recharges 2.Make sure power flow to the wall outlet is on, Battery may need to be replaced Even with proper care; rechargeable batteries do not last forever. The average rechargeable battery life is 1 to 2 years depending on motorbike conditions and using. 3. Check the tire is at the correct PSI, if it is not, inflate the tire before riding
Motorcycle cannot run normally the short trip distance	<ul style="list-style-type: none"> 1.Battery requires charging 2.Battery will not accept full charging 3.Rear tire is not properly inflated 4.Continuous riding at a high speed. 5.Frequent uphill riding or riding against wind, frequent brake, heavy load. 	<ul style="list-style-type: none"> 1.Fully charge the battery First charge should be 12 hours and up to 8-9 hours for recharges 2.Make sure power flow to the wall outlet is On. Battery may need to be replaced Even with proper care; rechargeable batteries do not last forever. The average rechargeable battery life is 1 to 2 years depending on motorbike conditions and use. 3.Check the tire is at the correct PSI, if it is not, inflate the tire before riding 4.Ride at an intermediate speed. 5.Avoid frequent braking, startup or heavy load.

Motorcycle runs sluggishly	1.Brakes are not correctly adjusted 2.Motorcycle is overloaded 3.Frequent uphill riding or riding against wind, frequent brake, heavy load. 4.Rear tire is not properly inflated	1.Adjust appropriate tension, the brakes can react in time 2.Never load over 70KG when using motorcycle 3.Avoid frequent braking, startup or heavy load. 4.Check the tire is at the correct PSI, if it is not, inflate the tire before riding
Motorcycle makes grinding or loud noises when motor is running.	1.Chain is dry 2.Motorbike is overloaded	1.Apply a lubricant to the chain. 2.Never load over 70KG when using motorcycle

Note:

Major parts of motorcycle such as battery unit, motors, charger, and controller, these parts have been labeled before delivery. Note that those major parts without labels are not covered by warranty.

7. Safety

Helmets and Local Laws

Always wear a helmet when riding your e-bike. Ensure that the helmet fits your head and is securely tightened. Before riding, read local laws and comply with all rules relating to cycling and e-biking in your area. If you attach a seat for children to the bike, they must also be wearing a properly fitted helmet at all times.

Pre-ride Safety Check and Inspection

Before each ride, make sure to inspect your e-bike to ensure there are no loose fasteners or accessories. Specifically, check that both the front and rear axles are secure. Also, make sure both the handlebar and the handlebar stem are not loose. Check the tire pressure of both wheels before riding to ensure the tires are inflated to the recommended pressure printed on the sidewalls of the tires. Pull the brake levers to make sure your brakes are working properly and adjust if necessary.

Riding in Wet Conditions

This electric bike can withstand light rain and small splashes but is not designed to be subjected to inclement weather, extremely heavy showers, or submersion in water. Use caution when riding in wet conditions as it will take longer to use the brakes to

slow down, and also when turning as the tires may slip. The electrical components on the bike are not waterproof. Water damage is not covered under warranty.

8. Warranty

The following circumstances are not in the scope of free after-sale service:

1. Consumables and quick-wear parts are not covered by warranty: (tires and tubes, the whole set of braking system, plastic parts, brake cable, and cover, etc.);
2. Warranted parts that are beyond the warranty period;
3. Damages caused by users for not strictly complying with the instructions;
4. Damages or quality issues due to accidental impact, crash, and contact with corrosive substance;
5. Purchase invoice is inconsistent with the warranty card;
6. Parts damaged by unauthorized disassembly or modification, or cases where technical evaluation and analysis cannot be conducted since the initial fault conditions are destroyed due to such unauthorized disassembly or modification;
7. By no means should appearance issues be the basis for exchange or warranty once the motorcycle is sold. Please check the appearance and confirm surface quality carefully in the purchase;
8. Damages caused by modifications without the prior consent of our company or our authorized sales and service center;
9. Warranty periods for major parts of the portable electric motorcycle:

Part Name	Warranty Period	Exception	Note
Frame Structure	12 Months	Damage by strong deliberate impact	Replacement out of the warranty period will be charged at cost price.
Li-ion Battery	12 Months	<p>According to the degree of battery degradation, avoid charging at low temperature to keep the battery degradation too low. Please refer to the available capacity for long-term charging at the following temperature: 14°F is about 70% of available capacity, 32°F is about 80% of available capacity, 70°F is about 90-95% usable capacity.</p> <p>Replacement warranty service will be provided if the voltage is abnormal, cannot be charged, and the capacity detected by the discharge meter is less than 70% of the available capacity.</p>	Replacement out of the warranty period will be charged at cost price.

Controller	12 Months	Warranty will be provided if performance failure or quality issues occur due to product reasons and cannot be repaired.	Replacement out of the warranty period will be charged at cost price.
Motor	12 Months	Coil burning, phase loss, demagnetization, short circuit, open circuit, abnormal noise, damage to the hub due to material damage, deformation, fracture, etc.	Replacement out of the warranty period will be charged at cost price.
Dashboard (Display)	6 Months	Warranty will be provided if performance failure or occurring due to quality issues.	Replacement out of the warranty period will be charged at cost price.
Brake handle, disc brake, Throttle, brake, plastic part, tire, LED lights, mud fender, chain, tire, inner tube, screw, bearing, shock absorption and other quick-wear parts.		Quick-wear parts are not covered by warranty.	Replacement out of the warranty period will be charged at cost price.

The manufacturer warrants this product to be free of manufacturing defects for a period of 30 days from the date of purchase. This Limited Warranty does not cover normal wear and tear, tires, cables, or any damage, failure or loss caused by improper assembly, maintenance, storage or use of our motorcycle.

The manufacturer is not liable for incidental or consequential loss or damage due directly or indirectly to the use of this product. We does not offer an extended warranty.

This Limited Warranty will be void if the product is ever:

- . used in a manner other than for entertainment or transportation
- . modified in any way
- . used or rental

DISCLAIMER

TUTTIO Bikes should be operated in accordance with the TUTTIO Bikes owner's manual provided with the bike. TUTTIO Bikes warrants to the original registered purchaser that TUTTIO Bikes shall be free from all defects in material and workmanship for a period of 12 months from the date of shipment, when used in accordance with the owner's manual and for the intended purpose. All other obligations, conditions, or liabilities, including obligations for consequential damages, are hereby excluded. 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 by location. Damage caused by failing to adhere to instructions and warnings issued by TUTTIO Bikes is not covered under warranty.

The battery warranty does not include damage from power surges, use of third-party chargers, improper maintenance, or other such misuses, normal wear, or water damage (including rust). 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.

We will replace parts deemed to have been damaged during shipping. Shipping

damage must be reported to TUTTIO Bikes within 14 days of the shipment's 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 TUTTIO Bikes. TUTTIO Bikes may request additional documentation (such as video) to assist with accurately diagnosing the problem and processing the warranty claim.

Items including the chain, tires, wheels, tubes, battery handle, brake pads, cables and housing, 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.

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

Note that your insurance policies may not provide coverage for accidents involving TUTTIO Bikes. 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 TUTTIO Bikes is not responsible for the repair or replacement of damaged bikes or parts.

TUTTIO Bikes reserves the right to change its warranty at any time and without notice.

Bike Performance Disclaimer

The listed range and top speed of the bikes are estimates (not guarantees) of expected performance. The 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.

