

V5X

INTRODUCTION AND USER'S GUIDE



Read this user's manual carefully before using your vehicle.

This product is designed for an environmentally friendly transportation. Throughout the guide you will see the advantages and characteristics of the vehicle. Its general specifications are as follows;

- High efficiency brushless DC motor
- Electronic control unit (Controller) which protects from high and low voltage.
- Braking system with electric cut-off feature for safe driving.
- High capacity battery providing longer range and high performance
- Front suspension providing a pleasant and comfortable driving pleasure.
- Vehicle parts in conforming to European standards.

IMPORTANT NOTE

Driver and Passenger

- This vehicle is designed to carry a maximum of one driver.
- Please use your vehicle without exceeding the load limits written on the vehicle's certificate of conformity.

Road Condition

- This vehicle is designed for use on flat and asphalt roads.
- Do not use the vehicle without reading the entire user manual.
- It is recommended that you read the "Warning, Caution, Note and Safety Precautions" sections carefully.
- After purchasing your vehicle, you should take it to the nearest authorized service center or distributor for maintenance.
- **You have to take your vehicle to the nearest authorized service for first maintenance 1 month after purchasing it.**



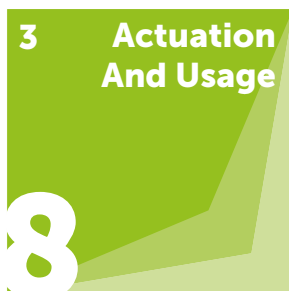
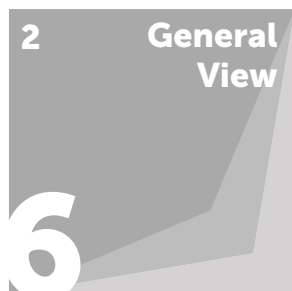
WARNING

- It is obligatory to comply with the maintenance intervals written in the user manual. Otherwise, your vehicle will be out of warranty conditions. The maintenance intervals for your vehicle and the parts that need to be changed/checked are listed in this user manual.
- These headings are written to protect you from serious personal injury and mechanical damage.



CAUTION

- These headings are written to protect you from serious personal injury or potential accidents.



Pre-Ride Instructions

- Check the condition of all moving parts.
- Check all rotating parts and add oil if it is missing.
- Check whether the tires are intact.
- Check the tire pressures.
- Make sure that all nuts and bolts are sufficiently tightened.
- Check that the brake cable and other cables are not pinched and are working properly.
- Make sure the throttle is working properly.
- Check all lighting systems.

Safe Driving Instructions

- Follow the pre-ride instructions before starting to use.
- Most of the accidents are due to not being noticed in traffic.
- is taking place. To prevent this; reflect light in traffic and
- Wear clothes that will make you easy to spot.
- Accessories such as knee pads, elbow pads, glasses, protective gloves can cause serious injury.
- are protective equipment that will reduce your risk. However, definitely
- Put on a helmet before driving your vehicle.
- Grasp the grips with both hands while riding.
- Make sure you maintain a safe driving position.
- Practice often, primarily to gain experience.
- Observe the maximum loading conditions specified in the manual.
- Carrying out the loads in your bags that you have attached to the rear carrying iron.
- Make sure it's light.
- Objects moving while driving change the vehicle's center of gravity.
- will endanger your driving safety. To avoid this situation
- take the necessary precautions.
- Avoid acrobatic movements while driving your vehicle.
- Avoid high speeds when turning.
- Wet weather lengthens the braking distance and restricts maneuverability.
- Always keep your low speed in situations.
- Avoid excessive puddles that may occur in rainy weather.
- Never drive the vehicle under the influence of alcohol and drugs.

Efficient Driving Instructions

If the efficient driving instructions given below are followed, your vehicle will driving range and efficiency will increase;

- Have your vehicle serviced regularly.
- Observe the maximum load limits in the manual.
- Take care to use it in suitable weather and road conditions.
- You have noticed that your tire pressures are appropriate.
- Obey the maximum speed limits.

2.GENERAL VIEW



1. Headlight
2. Signal Lamp
3. Mirror
4. Indicator
5. Helmet Hook
6. Seat
7. Rear Load Platform

8. Stop Lamp
9. Seat Lock
10. Motor
11. Midstand
12. Side Stand
13. Front Wheel



WARNING

- All parts listed in the user manual are given as reference. The manufacturer can make changes without notice.



- | | |
|----------------------------|-------------------------------|
| 1. Rear Brake Lever | 6. Lighting Switch |
| 2. Low/High Beam Headlight | 7. Horn |
| 3. Indicator | 8. USB Port |
| 4. Throttle Lever | 9. Right / Left Signal Button |
| 5. Front Brake Lever | |

WARNING

- All parts listed in the user manual are for reference.
- The manufacturer can make changes without notice.

3. ACTUATION AND USAGE

Operating

Insert the ignition key into its slot and turn it to the on position. tool rear push the vehicle forward to remove it from the stand. The vehicle will be ready for driving.

Acceleration and Deceleration

- Give the throttle by turning the throttle lever downwards. In this case your vehicle it will move.

The speed can be increased or decreased with the throttle. Press the throttle (a) to increase your speed. In direction (b) to decrease the speed.



Braking

Brake levers have brake sensors. In this way, the brakes It performs mechanical braking as well as cuts the energy of the motor.

- Grasp the brake lever with your fingers and gently squeeze it towards you.
- Slowly loosen the brake lever to stop braking
- Avoid sudden and hard braking. Otherwise, your motorcycle may slip.
- and may cause accidents.
- Be careful when braking on downhill descents.

Front and Rear Brake

The brake system of your vehicle is equipped with front disc brake and rear drum brake system. The front brake with the brake lever on the right, the rear brake with the brake lever on the left is active. For the front brake, the brake lever free travel distance should be 5-10 mm. After this distance, the braking process should start.



Loading

Loads that are not suitable for carrying loads on your electric motorcycle. Do not carry. Otherwise, these parts will be damaged.

- The rear carry bag and front basket can be used to carry light loads.
- Please do not exceed the permissible load limits. rear carry bar maximum carrying capacity: 10 kg.
- On surfaces that are not suitable for carrying loads on the vehicle, please Do not carry. Otherwise, these parts will be damaged.

Indicator

Speedometer in km/h, odometer (odometer) in km and battery capacity status are located on the indicator. As soon as the vehicle is started, the indicator turns on automatically and is ready for driving.

Lighting Elements

By using the lighting system located at the front and rear, the headlights should be turned on and visibility should be increased during dark and daytime driving. Increasing the visibility will carry the driving safety level to the next level. In order to increase the visibility as per the legislation, the low beam headlights are turned on automatically when the vehicle is started. Start the vehicle to activate the lighting system. For high beam, press the high beam switch located to the left of the panel.

Electronic Control Unit

The electronic control unit (Driver) functions as the brain of your electric vehicle. Thanks to the software it contains, it enables the engine to be activated. The maximum speed is 25 km/h due to the vehicle's hardware and software. This situation is controlled by the electronic control unit. It also ensures that the orders you transmit through the panel are executed. It is located just below the seat pool and is protected by a closed reservoir.

Stands

There is one main stand (main stand) and one side stand (side stand) to keep the vehicle in a straight and stable position. When taking the main stand, step on the toe and push the vehicle back slightly. To remove it from the stand, push the vehicle forward. There is a side foot sensor on the side stand. For your safety, this sensor prevents the vehicle from being energized when the side stand is open. Make sure that the side stand is in the closed position for the vehicle to start.



CAUTION

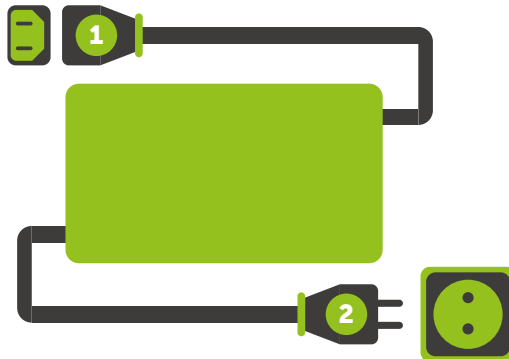
- While squeezing the brake levers, the throttle must be released.
- Brake can be adjusted according to sensitivity. For safer deceleration, front and rear brakes should be used together.
- If the brakes are used for a long time, the brake kits get hot and their performance decreases. This, in turn, can increase your braking distance and affect your safe stance.
- Brake pads should always be replaced with original products. Low quality parts can damage other parts of the vehicle. It also affects the performance of your vehicle.
- The braking system is vital for your safety. Have regular checks and adjustments made at authorized services at the intervals given in the periodic maintenance chart.

3. ACTUATION AND USAGE

Charger

Charge your electric motorcycle for 6-8 hours with the charger delivered with the vehicle before its first ride. To charge the vehicle, please follow the instructions below;

- Make sure your electric motorcycle is turned off.
- First of all, plug the part of the charger indicated with "2" into the socket.
- Then insert the part of the charger indicated with "1" into the charging port in your vehicle. Place it.
- Arc/spark may occur while connecting the charger to the vehicle.
- There are two warning LEDs on the charger. The first LED is solid red, indicating that it is working, while the other LED turns red during charging and turns green when the battery is full. If there is a red and green color in the charger, it means the battery is full. If your charger has a single LED, it turns red during charging and turns green when charging is complete.
- Wait until the light on the indicator turns green.
- After the charging is complete, unplug the socket from the charging port and the charger from the socket. Unplugging the charger will extend the life of the product.



! WARNING

- Damaged chargers due to voltage differences in your electrical installation may damage your vehicle. These types of faults are not covered by the warranty.
- Plugging the charger in first will protect your vehicle from possible high/low voltage situations.
- Charging at least once a month will extend the life of your battery.
- **When the battery is fully charged, disconnect it from the charger. Otherwise, it will cause your battery to swell.**

! CAUTION

- If the battery charge time exceeds the time specified in the manual, please create a fault record.
- During the winter months, the performance of the battery may decrease and the normal range of your vehicle may decrease.

3.ACTUATION AND USAGE

- Only use the original charger specially designed for your product.
- Your electric motor bike must be turned off while charging.
- Never shake your vehicle while charging.

Battery

The vehicle is equipped with a rechargeable VRLA gel battery that can provide 48V 22Ah energy. Since the use of the battery affects the life of the vehicle and environmental conditions, it is necessary to pay attention to the following points.

- Do not disassemble the batteries.
- Keep batteries away from children.
- When charging or discharging the anode and cathode of the battery do not combine. Never use any conductor between the anode and the cathode. It will cause a short circuit.
- Avoid contact of your battery with water.
- Protect the batteries from temperatures of 60 degrees and above.
- Do not subject it to physical impacts such as hitting, throwing, dropping.
- Do not tamper with the batteries with sharp tools.
- If leakage occurs and comes into contact with your skin or eyes, rinse immediately with plenty of water. and go to the nearest health institution.
- If physical changes such as odor, heating, burning, color change are observed in the battery, leave your vehicle immediately and move away.



ATTENTION

- Store your electric motorcycle away from the cold, in your garage if possible. This will extend the life of your battery.
- If you do not use your electric motorcycle for a month or more, recharge it by discharging the batteries at least once a month. This app helps you maintain battery performance.

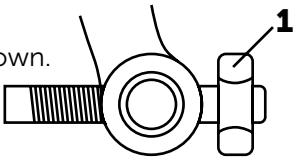
4.MAINTENANCE AND CONTROL

Brake Maintenance

Brake pads wear out due to the working principle. Certain security should be replaced when they reach their level. Security level control and change should be done by authorized services. Unreplaced brake pads cause poor performance of the brake system, make noise, and in some cases even break other parts. Brakes should be checked at every service.

Setting The Drum

You can adjust the brake by tightening the screw shown.



Tire Pressure Check

Check the pressure levels of your tires daily. Tire pressures above and below the norm will affect the vehicle's handling, acceleration, fuel consumption and similar performances.

If there are holes, cuts or other unusual conditions on your tires. Check it every day. Also on the rims; can cause air loss in crushing, scratching and tilting. This type of damage can cause your vehicle to unbalance and shake. In case of such situations, go to your nearest authorized service and have the damage repaired.

| | Dimensions | Load,Speed Index | Pressure |
|------------|------------|------------------|----------|
| V5X | 16-2.50 | 30B | 33 psi |

WARNING

- If the tire does not have the correct air pressure, it will wear out more quickly and its life will be shortened. In addition, under-inflated tires may cause an accident as they reduce grip.
- If the tire pressure is too low, the tire may come off the rim.
- Your tires will wear out as you use them. When your tread depth decreases, you should replace it. Depending on the road, climate and usage conditions, your tire life may be extended or shortened. The user should regularly check the tire pressure and tread depth. Tires with low tread depth
- It will reduce grip on wet surfaces. The minimum tread depth is 1.5 mm for the front tire and 2.0 mm for the rear tire. Such situations cause accidents.

Fuse Exchange

The vehicle's charging circuit is protected by a 30A glass/blade fuse against outside intervention and the charger malfunctioning. However, these fuses are disposable and must be replaced in case of circuit breakage or failure. For this;

- Make sure the vehicle is in the off position.
- Unlock the seat and remove the seat pool.
- The fuse is located under the seat pool.
- Lift the fuse cover and remove the integrated fuse.
- Replace with a fuse of equivalent specification.



Blade Fuse



Glass Fuse



WARNING

- Using a fuse below the specified capacity may cause the system to be permanently cut off, and using it above the specified capacity may cause the electronic parts to break down and the cables to be damaged due to high currents.
- Do not use high pressure water while washing your vehicle. It will damage your electrical systems.

Mounting of Rear Wheels and Suspensions

- Raise the vehicle to the rear stand. Push the rear wheel shaft back and forth by hand. In case of the slightest gap, re-tighten. totally bored Make sure it is in the correct position.
- Make sure all the nuts holding the front and rear suspension are tight. Please be. If the suspension connections are not tight, some connection points to be subjected to more force than usual will cause. This can cause damage and result in an accident.

Adjusting the Throttle Lever

- Check that the throttle can easily move to the top and bottom. Please pay.
- From the top position to the position where it gives the first throttle response. The distance should be between 2 and 6 mm. To adjust this, loosen the jam nut, turn the adjuster and tighten it again.

Drive / Engine Maintenance

- Your vehicle's electronic control unit (driver) is under the seat. Therefore, be careful not to get water in this area. Make sure that the cables entering this area are not strained and that the protective plastic does not get hit.
- Do not press the accelerator and brake at the same time while operating to prevent deterioration of other parts.
- Slow down when the road surface is bad. Excessive vibration may cause the cables to break inside the motor and driver.
- Do not allow the water level to reach the level of the engine in rainy weather. Don't give. Otherwise, your engine will break down.

Cleaning

- It is recommended to clean your electric vehicle with a wet cloth.
- Never lubricate the brake system and tires.
- Use oil to clean the metal parts of your vehicle.
- Always use standard cleaning when cleaning painted plastic parts use materials.
- Rinse with fabrics after cleaning.



CAUTION

- Never use very high pressure water while washing your electric motorcycle, high pressure water may cause some of your parts to absorb water. Parts that receive water may lose their performance and deteriorate.

Maintenance Interval

- Even if your vehicle runs smoothly, go to authorized service centers at regular intervals. should be checked. These ranges are on the next pages in the user manual specified in detail. Vehicles with problems or accidents should be taken directly to the authorized service without waiting for the maintenance interval. In such cases, repairs should definitely be made with the original part.
- Maintenance of the vehicle outside the contracted service stations approved by the manufacturer, repair, modification or any change that will increase performance will cause the product to be out of warranty.

First Care

- 1st and 4th month maintenance is important for your vehicle. After the first use, the engine parts are now used to each other and it is recommended to check all the bolts during the first maintenance.
- The reliability of your vehicle depends on the correct first use and first periodic maintenance.

WARNING

Please stay away from modifications to make your vehicle safe and long-lasting. Modified vehicles will endanger the safety of you and the traffic. Always use parts approved by the manufacturer.

- For your personal safety, turn off the engine and raise the vehicle to the rear before any maintenance. Even if it is a simple maintenance, do not perform the maintenance before the engine is turned off and the vehicle is on the rear stand.
- If the vehicle has not been used for 1 month or more, check the parts that are likely to be corroded, such as tires and batteries, and start driving before the next use.

Motor and Chassis Number

Engine and chassis numbers are for the registration of your vehicle and in case of need for maintenance / repair, it helps our authorized services in order to serve you better.



Motor No



Chassis No

WARNING

- Make sure that the engine and chassis numbers on your electric motor bike are the same as those on the Certificate of Conformity.

5.STORAGE CONDITIONS AND GET IN USE

Vehicle Storage

- Do not use your electric motor bike for a long time during periods such as winter months. If you are not going to use it, you should use a tool to protect your vehicle from malfunctions and abrasions. You need to take some precautions. one set before storage Repairs would be better.
- Clean, rinse and dry your electric moped. Coating the painted surfaces with protective oil will prolong the life of your paint and ensure that it retains its first day's shine.
- Bring the tire pressure of your electric motor bike to the ideal tire pressure level.
- Cover with a plastic or non-rubber sheet. Take care to store in storage conditions where the air temperature does not change much. High temperature change can cause fatigue, deterioration and cracking of many parts of your vehicle.

Get Into Use

- Remove the cover from your electric motor bike and clean it.
- Start your electric motor bike after fully following the pre-start instructions.
- Make the first use in a traffic-free area. After making sure that all parts of your electric motor bike are working correctly and at full performance, go to the traffic.

Transport

Do not carry loads that are not suitable for carrying loads on your electric motor bike. Otherwise, these parts will be damaged.

Assembly

The electric vehicle is delivered assembled.

6.TECHNICAL SPECIFICATIONS

| | |
|-----------------------------|-------------------------|
| Length | 1820 mm |
| Width | 640 mm |
| Height | 1100 mm |
| Wheelbase | 1250 mm |
| Mass | 75 Kg |
| Maximum Carrying Capacity | 75 Kg |
| Electric Motor Max. Power | 220 W |
| Motor Type | BLDC Hub Motor |
| Battery Capacity | 48 V 22 Ah |
| Battery Type | VRLA Gel |
| Charger Capacity | 48-57 V 1.8A \pm 0.2A |
| Charging Time | 6-8 h |
| Climbing Ability | 17 % |
| Maximum Speed | 25 Km/h |
| Energy Consumption | 20 Wh/Km |
| Range | 52 Km |
| EURO Level | EURO 5 |
| Front Tyre | 16 x 2.50 |
| Rear Tyre | 16 x 2.50 |
| Front Brake | Disc |
| Rear Brake | Drum |
| Number of Seating Positions | 1 |

7.MANUFACTURER INFORMATION

The service life of your Volta brand vehicle is 10 years and the maximum repair period is 45 working days. If you encounter any problems with your vehicle, you can visit our website www.volta.com.tr to access information about authorized services and spare parts. You can access all authorized service station information from the Service Information System created by the Ministry.



MANUFACTURER

VOLTA MOTOR SAN. VE TIC. A.S.

Selamlar Koyu, Selamlar Mevkii, Gumusova OSB 1. Sk.

No:10 Gumusova/DUZCE/TURKEY

Tel : 0850 222 28 65 - 0380 731 25 25

VOLTA MOTOR SAN. VE TIC. A.S. - TUBITAK Technology Free Zone

Tel : 0850 222 28 65

MANUFACTURER

| | | | |
|------------|---|---|--|
| Trade Name | Volta Motor Sanayi ve Tic. A.Ş. | | |
| Address | Selamlar Koyu Selamlar Mevkii Gumusova OSB 1 Sokak Blok No: 10 Gumusova/Duzce/ TURKIYE | Tubitak MAM Teknoloji Serbest Bolgesi Barış SB, Mah. 5001 Sok. No: 3 A/B Gebze/KOCAELI | |
| Phone | +90 850 222 28 65 | +90 850 222 28 65 | |
| Fax | +90 850 222 28 65 | +90 850 222 28 65 | |

| | |
|-------------------------|------------------|
| Type | Electric Vehicle |
| Commercial Name | VOLTA, VTA |
| Model | VSX |
| VIN | |
| Delivery Date and Place | |
| Maximum Repair Time | 45 Working Days |
| Warranty Period | 1 YEAR |

| | |
|-------------------------|--|
| Trade Name | |
| Address | |
| Phone | |
| Fax | |
| Invoice Date and Number | |
| Date of Sale | |

This section must be filled in completely by the seller.(STAMP AND SIGNATURE)

By scanning the QR code, you can go to the web address where you can call the nearest service.



You can go to the web address where you can search for the nearest sales store by scanning the QR code.



GARANTİNİN GEÇERLİLİK KOŞULLARI VE KAPSAMI

1. Garanti süresi iki yıl olup, garantiden yararlanmak için Garanti Belgesi'nin ibrazı şart olduğundan işbThe warranty period is two years, and this Warranty Certificate must be kept during the warranty period, since it is necessary to submit the Warranty Certificate to benefit from the warranty.

2. The entire product, including all its parts, is under warranty.

3. If it is understood that the goods are defective, the consumer is obliged to comply with the Law No. 6502 on the Protection of the Consumer.

In Article 11;

a) Withdrawing from the contract by declaring that it is ready to return the sold item,

b) Withholding the sold item and requesting a discount from the sales price at the defect rate,

c) Requesting free repair of the sold item at the seller's expense, unless an excessive cost is required,

d) If possible, he may use one of his optional rights to request that the sold product be replaced with a non-defective one.

4. Since the invoice will be taken into account in case of disputes that may arise within the warranty period provided, it is obligatory to submit the approved Warranty Certificate and the invoice.

5. The warranty will be voided if any damage is done on the invoice and warranty document, when the original serial number on the vehicle is removed or if it is determined that it has been destroyed.

6. If the device is installed, maintained or repaired outside of our company's authorized services, or if the vehicle is repaired outside of the authorized service, the warranty will be void.

7. The maintenance of the vehicles should be done by authorized services at the periods specified in the user manual delivered with the vehicle. Vehicles that are not serviced on time will be out of warranty.

8. The warranty given by our company does not cover the faults that may arise from the use of the vehicle outside of its intended purpose or in abnormal conditions, as well as the faults specified below. Is out of warranty;

- Failures caused by adding parts or parts not produced or sold by Volta Motor to the vehicle,
- Water intake of parts as a result of washing with high pressure washing,
- Abrasion, breakage or deterioration of parts such as engines, wheels, as a result of using the vehicles above the maximum carrying capacity specified in the technical documents,
- Malfunctions arising from modifications made without the written approval of Volta Motor,
- Battery, pad, tire, etc. aging, wear, loss of performance of parts as a result of use,
- Liquid contact with electronic components,
- Loading the shock absorber and chassis fasteners above the carrying capacity specified in the user manual or breaking as a result of a hard impact, bending,
- Damages and malfunctions that may occur as a result of disasters such as fire, flood, flood and lightning strike,
- Batteries are products with a shelf life. Batteries that have been kept unused for more than 90 days (by the dealer or the end consumer),
- Damages that may occur during transportation, loading, unloading and transportation of the vehicle after delivery to the user.

9. No one other than the consumer whose identity is stated on the Invoice and Warranty Certificate of the vehicle can claim any right or compensation.

10. The consumer may apply to the Consumer Arbitration Committee or the Consumer Court in the place of residence or the consumer transaction, in case of disputes that may arise regarding the use of his rights arising from the warranty.

NOTES

NOTES

ENGINEERED BY ELECTRIC



www.volta.com.tr

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