

V51

USER MANUAL



Read this owner's manual carefully before moving your vehicle

PREFACE

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 and one passenger.
- 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.
- **The nearest authorized person for the first maintenance 1 month after purchasing your vehicle. You need to take it to service.**

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.

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Sürüş Öncesi Talimatlar

- Check the condition of all the movable parts.
- Check all rotating parts and add oil if it is missing.
- Check whether the tyres are intact.
- Check the tyre pressures.
- Make sure that all nuts and bolts are tightened adequately.
- 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.
- Grasp the grips with both hands while riding.
- Make sure you maintain a safe driving position.
- Practice often, primarily to gain experience.
- Obey the maximum loading conditions specified in the manual.
- Objects moving while driving will change the vehicle's center of gravity and will endanger the driving safety. Take the necessary measures to avoid this situation.
- Avoid acrobatic movements while driving your vehicle.
- Avoid high speeds when turning.
- Wet weather lengthens the braking distance and restricts maneuverability. In such cases, always maintain your low speed.
- Avoid excessive puddles that may occur in rainy weather.
- Do not use under the influence of alcohol and drugs.

Efficient Driving Instructions

If the following efficient driving instructions are followed, your vehicle's driving range and efficiency will increase;

- Take your vehicle to service regularly.
- Comply with the maximum load limits in the manual.
- Be careful about using your vehicle in suitable weather and road conditions.
- Check all tyres before riding, that your tyre pressures are appropriate.
- Pay attention to the maximum speed limits

2.GENERAL VIEW



- | | |
|-----------------|---------------------------|
| 1. Mirror | 10. Rear Carrier Platform |
| 2. Front Signal | 11. Brake Lever |
| 3. Headlight | 12. Stoplight |
| 4. Ignition | 13. Motor |
| 5. Front Tire | 14. Brake Disc |
| 6. Middle Stant | 15. Side |
| 7. Side Stant | 16. Indicator |
| 8. Rear Tire | 17. Battery |
| 9. Seat | |

CAUTION

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

2.1. DASHBOARD



1. Gear Selection

- a.Vites
- b.Speedometer
- c.High beam information light
- d.Odometer
- e.Right/Left Signal
- f.Battery

2. Low/High Beam Headlight

3. Right/Left Signal

4. Horn

5. Lighting Switch

6. Park/Gear Button

CAUTION

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

3. ACTUATION AND USAGE

Actuating

Insert the ignition key into its slot and turn it to the on position. The vehicle will be ready for driving.

The vehicle can be released from parking mode by squeezing the brake lever of the vehicle.

Steering Lock

There is a steering lock feature to prevent your vehicle from being stolen. Turn the handlebar to the far left and gently press the key on the ignition switch to the lock position. To unlock the steering wheel, turn the handlebars to the left and turn the key to the unlocked position by pressing lightly.

Seat Locking

When the seat is closed, you can unlock your seat by turning the key to the lock position. If you close your open seat, the seat will be locked automatically.

Acceleration and Deceleration

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

The speed can be increased or decreased with the throttle. Turn the throttle indirection (a) to increase your speed, or (b) to decrease speed.



Loading

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

- Please do not exceed the permissible load limits. .
- Please do not carry loads on surfaces that are not suitable for transporting loads on the vehicle. Otherwise, these parts will be damaged.

3. ACTUATION AND USAGE

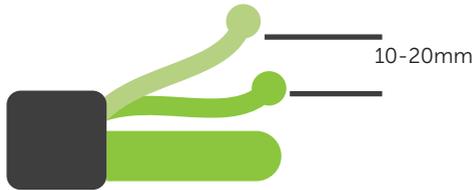
Braking

There are braking sensors in the brake lever and foot brakes. In this way, the brakes both provide mechanical braking as well as cut 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 vehicle may slip and cause accidents.
- Be careful when braking on downhill descents.

Front And Rear Brake

Your vehicle has Disc (Front) and Drum (Rear) brake systems. For brakes, brake lever free travel distance should be 10 - 20 mm. After this distance, the braking process should start.



WARNING

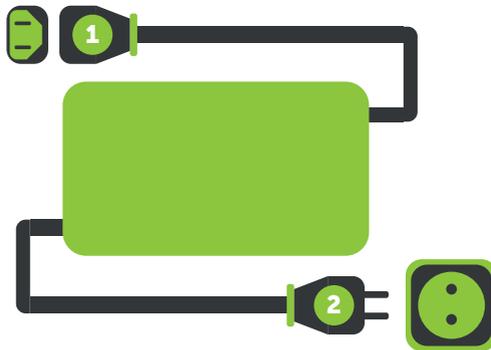
- Brake pads must always be replaced with original products. Poor quality parts can damage other parts of the vehicle. It also affects the performance of your vehicle.

3. ACTUATION AND USAGE

Charger

Hand-delivered your electric motorcycle with the vehicle before its first ride charge the charger for 6-8 hours. Please observe the following instructions to charge the vehicle;

- Make sure your electric motor is switched off.
- First plug the part of the charger marked "2" into the wall socket.
- Then insert the part of the charger marked "1" into the charging port on your vehicle.
- Arc/spark may occur when installing the charger on the vehicle.
- Two warning strips are located on the charger. The first LED is solid red, indicating it is working, while the other LED turns red during charging and green when the battery is full. If the charger has a red green color, the battery is full. If your charger is a single LED, it turns red during charging and green when charging is finished.
- Wait until the light on the indicator is green.
- After the charging has been completed, remove the plug from the charging port and the charger from the wall socket. Disconnecting the charger from the wall socket 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 into the socket 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.

CAUTION

- If the battery charge time exceeds the time specified in the manual, please contact the authorized services.
- During the winter, the performance of the battery and range of your vehicle may decrease. Use only the original charger specifically designed for your product.
- Your electric motor bike must be switched off when charging.
- Never shake your vehicle when charging.

3.ACTUATION AND USAGE

Battery

- Battery
- • Do not disassemble the batteries.
- • Keep batteries away from children.
- • When charging or discharging the anode and cathode of the battery do not combine. Absolutely no conductor between anode and cathode.
- do not use. 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, immediately wash with plenty of water and go to the nearest health institution.
- • If the battery has physical effects such as odor, heating, burning, discoloration.
- If changes occur, disconnect the battery from your vehicle and drive away.



WARNING

- Store your electric motorcycle away from the cold, in your garage if possible. Like this The life of your battery will be extended.
- If you do not use your electric motorcycle for a month or more,Recharge the batteries by discharging them at least once a month. this app
- It helps you maintain the performance of the battery.

4.MAINTENANCE AND CONTROL

Brake Maintenance

Brake pads wear out due to the working principle. It should be replaced when it reaches certain safety levels. Inspection of this safety level and change of pads should be done by authorized services. Unreplaced brake pads cause the brake system to work poorly, make noise, and in some cases, break other parts. Brakes should be checked at every service period.

Tire Pressure Check

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

Check your tyres daily for punctures, cuts or any other unusual condition. Also on the rims; crushing, scratching and inclination can cause pressure loss. This type of damage can cause your vehicle to unbalance and vibration. In case of such situations, please visit the nearest official service point and have the damage repaired.

	Ebat	Yük, Hız Endeksi	Basınç
V51	3.50-10	42J, 59M	325 kPa / 47 psi
	3.50-10	42J, 59M	325 kPa / 47 psi

CAUTION

- If the tyre does not have the correct air pressure, it will wear out more quickly and its life will be shortened, as well deflated tyres may cause an accident as they reduce grip.
- In case of very low air pressure, the tyre may come off the rim.
- Your tyres will wear out as you use them. You should change your tyre when your tread depth decreases. Depending on the road, climate and usage conditions, your tyre life may be extended or shortened. Drivers should check tire pressure and tread depth regularly. Tyres with low tread depth will reduce grip, especially on wet surfaces. Minimum tread depth is 1.5 mm for front tyre, 2.0 mm for rear tyre. Such situations cause accidents.

Change of Circuit Breaker

The vehicle's charging circuit is susceptible to external intervention and charger breakdown. protected by a 63A fuse. Replacing it in case of malfunction must. For this;

- Make sure the vehicle is in the off position.
- Unlock the seat of your vehicle.
- The fuse is located just under the seat.
- Separate the seat pool from the vehicle.
- Replace with a fuse of equivalent specification.

CAUTION

- The use of fuses below the specified capacity will cause the system to be permanently cut off, If it is used above the capacity, it is possible to use the electronic parts due to high currents.may cause malfunction and damage to the cables.
- Do not use high pressure water while washing your vehicle. It will damage your electrical systems.

Rear Rim 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, it will cause some connection points to be subjected to more force than usual. This may cause damage and resultant 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. Tighten to set it loosen the nut, turn the adjuster and tighten it again.

Controller / Motor Maintenance

- Your vehicle's electronic control unit (controller) is located under the seat. For this reason, make sure that this area does not get water, the cables entering this area are not strained and the protective plastic does not get impacted.
- Do not use the throttle lever and service brake system at the same time in order to prevent deterioration of other parts.
- Slow down when the road surface is bad. Excessive vibrations may cause the cables in the motor and controller to get damaged.
- Do not allow the water level to reach the level of the motor in rainy weather. Otherwise, your motor will break down.

Cleaning

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



WARNING

- Never use very high pressure water while washing your electric motorcycle, high pressure water may cause some parts of your parts to get water. Parts that receive water will have a reduced lifespan and may deteriorate.

Maintenance Interval

- Even if your vehicle runs smoothly, it should be checked by authorized services at regular intervals. These ranges are detailed in the following pages of the user manual. Vehicles that have experienced problems or have had an accident 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, repair, modification or any change that will increase the performance of the vehicle other than the contracted service stations approved by the manufacturer will cause the product to be out of warranty.

4.MAINTENANCE AND CONTROL

First Maintenance

- 1st and 4th month maintenance is important for your vehicle. After the first use, the motor parts get 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.

CAUTION

- 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 CODE AND VEHICLE IDENTIFICATION NUMBER

Motor code and vehicle identification number are for the registration of your vehicle and help our authorized services in order to provide better service to you in case of need for maintenance / repair.



Motor Code



Vehicle Identification

WARNING

- Make sure that the motor and chassis numbers on your electric vehicle are the same as those on the certificate of conformity.

4.MAINTENANCE AND CONTROL

Periodic Maintenance Tables

- Periodic maintenance should be done at authorized technical service stations.
- Vehicles that are not regularly maintained (once every 4 months) will be evaluated out of warranty.



WARRANTY MAINTENANCE CARD
PERIODIC MAINTENANCE TABLE

1. MONTH	4. MONTH8	. MONTH	12. MONTH	16. MONTH	20. MONTH
STAMPS DATE:...../...../.....	TAMP DATE:...../...../.....	STAMPS DATE:...../...../.....	TAMP DATE:...../...../.....	STAMPS DATE:...../...../.....D	TAMP ATE:...../...../.....
24. MONTH	28. MONTH	32. MONTH	36. MONTH4	0. MONTH	44. MONTH
STAMPS DATE:...../...../.....	TAMP DATE:...../...../.....	STAMPS DATE:...../...../.....	TAMP DATE:...../...../.....	STAMPS DATE:...../...../.....D	TAMP ATE:...../...../.....

4.MAINTENANCE AND CONTROL

ELECTRIC VEHICLES MAINTENANCE TABLE

PART/ SYSTEM NAME	ACTION TO BE TAKEN	MONTH OF MAINTENANCE * Month or km, whichever comes first.							
		1.Month COM TROL	4. Month (2.000 KM)	8. Month (4.000 KM)	12. Month (6.000 KM)	16. Month (8.000 KM)	20. Month (10.000 KM)	24. Month (12.000 KM)	
FRONT AND REAR BRAKE	Check that the brake cables are not pinched and work properly, adjust if necessary.	●	●	●	●	●	●	●	
	Replace the brake pads if necessary.	●	●	●	●	●	●	●	
	Check and adjust the brake lever clearances.	●	●	●	●	●	●	●	
	Check the operation of the brake sensors.	●	●	●	●	●	●	●	
	CHECK FLUIDS BY 4 MONTHS OR 2.000 KM	Check the hydraulic oil lever and any leaks.	●	●	●	●	●	●	●
		Check the brake discs.	●	●	●	●	●	●	●
Connectors	Make sure all nuts and bolts are adequately tightened.	●	●	●	●	●	●	●	
Battery	Measure battery voltage, fully charge or replace if necessary.	●	●	●	●	●	●	●	
	Check the terminals are tight.	●	●	●	●	●	●	●	
Tyres	Check tyre pressures, tyre damage and tread depth.	●	●	●	●	●	●	●	
Wheels	Check for runout or damage.	●	●	●	●	●	●	●	
Wheel Bearings	Check that there is no play in the hub and that the wheels turn freely.	●	●	●	●	●	●	●	
Handlebar Bearings	Check if the handlebar bearings are worn or loose. Replace if necessary.	●	●	●	●	●	●	●	
Front Suspension	Check the spreading. Check the inner tube of the shock absorber for scratches, damage or excessive lubrication.	●	●	●	●	●	●	●	
Rear Suspension	Make sure that it does not make any annoying noise while operating and there is no oil leakage.	●	●	●	●	●	●	●	
Throttle Lever	Check if the throttle lever is connected and functional.	●	●	●	●	●	●	●	
Charger and Socket	Check operation and connections.	●	●	●	●	●	●	●	
Chain (if equipped)	Check tension and lubricate.	●	●	●	●	●	●	●	

NOTE: Your vehicle should be serviced first at 500 km or 1 month (whichever comes first). The first maintenance is for control purposes. Your second maintenance after the first one will be done when your vehicle reaches 2000 km. After this maintenance, your every maintenance will be in the form of 2000 and its multiples. The time between any two maintenance should not exceed 4 months. The owner who does not reach the maintenance intervals in more than 4 months should also take the product to the authorized service for maintenance. Vehicles which do not comply with maintenance intervals and kilometers will be out of warranty.

-The warranty period starts from the date of delivery of the goods to the owner, in accordance with the warranty certificate regulation, and for motorcycles and ATV vehicles, it is 1 year or 30,000 km (whichever comes first), other vehicles (e-bike, electric skateboard, electric motor bike, etc.), for 1 year.

VOLTA MOTOR SANJICAE
Polevski Breg, Šumarići, Modeli Čukarica
010 1, Šibik Breg, Mec 24
Bosanski / DUISSE



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Info@volta.com.tr

5.STORAGE CONDITIONS

Storage

- If you are not going to use your electric vehicle for a long time during periods such as winter , you should take some precautions to protect your vehicle from malfunctions and corrosions. It would be better to make some repairs before storage.
- Clean, rinse and dry your electric vehicle. Coating the painted surfaces with protective oil will extend the life of your paint and ensure that it retains its first day's shine.
- Bring the tire pressure of your electric vehicle to the ideal level.
- Put on your vehicle a cover which will be either plastic or non-rubber. 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 In Use

- Remove the cover from the electric vehicle and clean.
- Start the vehicle after completely following the pre-starting instructions.
- Make the first use in a traffic-free area. After making sure that all parts of your electric vehicle are working correctly and at full performance, drive out to traffic.

Loads

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

Assembly

The electric vehicle is delivered assembled.

6.TEKNİK ÖZELLİKLER

Parameters	
Length	1862 mm
Width	685 mm
Height	1145 mm
Wheelbase	1280 mm
Weight	89 kg
Maximum Carrying Capacity	150 kg
Motor Power	1500 W
Motor Type	BLDC Hub Motor
Battery Capacity	60 V 20 Ah
Battery Type	VRLA Jel
Charger Capacity	73.5V, 2.8A +/- 0.2A
Charger Time	6-8 hours
Climbing Ability	% 8
Maximum Speed	45 km/sa
Range	50 km
EURO Level	5
Front Brake	Disk
Rear Brake	Drum
Number Of Seating Positions	2

7. MANUFACTURER INFORMATION

The service life of your Volta brand vehicle is 10 years, maximum Repair time is 45 working days. About your vehicle in case you encounter any problems Authorized services by visiting our www.volta.com.tr and spare parts information. All authorized service station information created by the Ministry You can access it from the Service Information System.



MANUFACTURING COMPANY

VOLTA MOTOR SAN. VE TIC. A.S.

Selamlar Köyu, Selamlar Mevkii,
Gümüşova OSB 1. Sk. No:10
Gümüşova/DÜZCE/TURKEY
Tel : 0850 222 28 65 - 0380 731 25 25

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

Tübitak MAM Teknoloji Serbest Bölgesi Barış SB. Mh. 5001 Sk.
No:3 A/B Gebze / KOCAELİ / TÜRKİYE
Tel : 0850 222 28 65

8.WARRANTY

MANUFACTURER

Trade Name	Volta Motor Sanayi ve Tic. A.Ş.		
Address	Selamlar Köyü Selamlar Mevkii Gümüşova OSB 1 Sokak Blok No: 10 Gümüşova/Düzce/ TÜRKİYE	Tübitak MAM Teknoloji Serbest Bölgesi Barış SB, Mah. 5001 Sok. No: 3 A/B Gebze/KOCAELİ	No: 36-37, Yougu Industrial Park, No: 58 Jinghong Road, Xibesi Town, Xishan District, Wuxi City JIANGSU/CHINA
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	VS1
VIN	
Delivery Date and Place	
Maximum Repair Time	45 Working Days
Warranty Period	2 YIL

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)

You can go to the web address where you can search for the nearest



SERVICE

You can go to the web address where you can search for the nearest



SALES

ENGINEERED BY ELECTRIC



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DÜZCE TURKEY

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