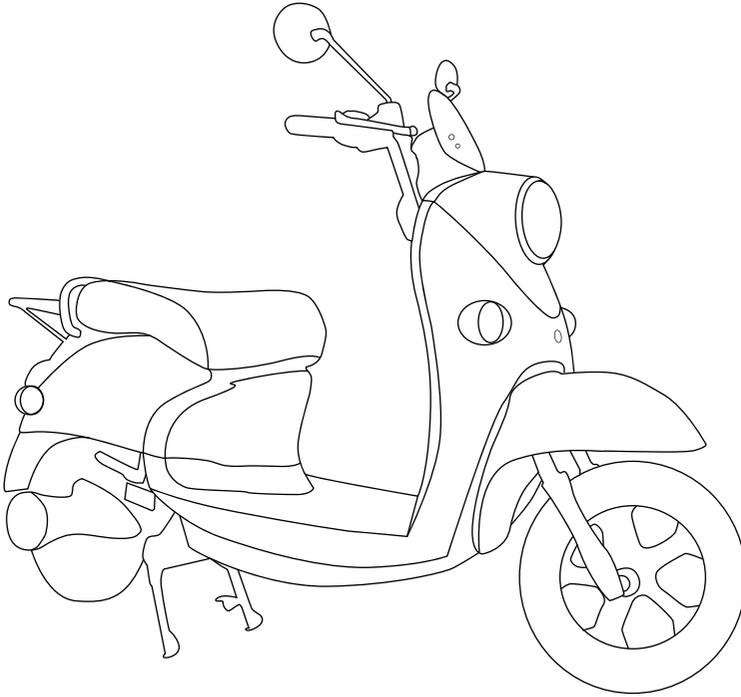




www.volta.com.tr

ELECTRIC MOPED USER MANUAL



Read this manual carefully before using your electric moped.

PREFACE

This product was developed for environmentally friendly transport. It contains safety, maintenance, and basic storage instructions. That hi-tech vehicle that you bought. Contains the following parts:

- Brushless DC motor with high efficiency
- Digital Smart Driver with low power protection
- Braking with throttle-off feature that ensures safe driving
- High capacity batteries with longer range and high performance
- Pleasant and comfortable driving with a high-quality suspension system
- Appropriate motorcycle equipment that meets European standards

These operating instructions for your vehicle will be an indispensable part of your vehicle. Make sure you get this with the vehicle you purchased.

If you have problems with your vehicle, do not use any parts other than the original parts offered by the authorized service center.

These operating instructions were created jointly for electric scooter from Volta Motor. The images and technical features used may not exactly match the vehicle you have purchased. The main purpose of this user guide is to introduce the product and ensure safe use.

Thank you for choosing our product. We wish you pleasant and safe driving with your electric scooter.

 **WARNING:** - These headings are written to protect you from serious personal injury or possible death.

 **CAUTION:** - These headings are written to protect you from serious personal injury and mechanical damage.

CAUTION

- Laws limit the use of your electric scooter based on age and driver's license. Users with a driver's license in each class can use the electric scooter safely. Please ensure users have a driver's license (in some European countries it can be used with special certificates).

- Do not change, disassemble or modify any part without service knowledge. Changes that you do not have the service make will affect the authenticity of your product and will void the guarantee. Please have all changes made by authorized service centers.

- Modifications are not legal. Modifications affect the main structure and performance of vehicles. This will shorten the life of your vehicle. In addition, modified vehicles are not taken into account under the guarantee. Always use dealer-approved replacement parts.

- The vehicle listed in these operating instructions may not match your vehicle.

- This manual is an integral part of your product. You will receive it together with the purchase of the product.

CONTENTS

Preface	S.02
1. Safety Measures	S.05
1.1. General View	S.05
1.2. Rainy Weather	S.05
1.3. Night Drive	S.05
2. General View	S.06
2.1. Display Panel	S.07
2.2. Ignition switch	S.08
3. Battery Charging	S.09
4. Driving Instruction	S.11
4.1. Check the Following Parts Before Use	S.11
4.2. Driving Instruction	S.11
4.3. Posture Positions	S.11
4.4. Main Stand	S.11
4.5. Seat	S.12
4.6. Front and Rear Brake	S.12
4.7. Efficient driving instructions	S.12
5. Troubleshooting.....	S.13
6. Maintenance and Adjustment	S.14
6.1. Battery.....	S.14
6.2. Charger	S.14
6.3. Cleaning	S.14
6.4. Brake Inspection	S.15
6.5. Control unit maintenance for motor and drive.....	S.16
6.6. Routine maintenance	S.16
6.7. Maintenance records	S.18
7. Technical Specifications	S.19
8. Authorized Service	S.20
9. Vehicle Registration Information	S.21
10. Warranty	S.22

1. SAFE DRIVING

1.1 General Rules

1.1.1 Always wear a helmet when using your electric scooter. Also, make sure that your helmet is being used in accordance with the usage and maintenance instructions and that it fits snugly on your head.

1.1.2 When using it, obey all traffic laws that are followed by all other motor vehicles. For example, stopping at a red light, watch out for pedestrians and use the blinker when turning.

1.1.3 Use the vehicle in a straight line. Given that other land vehicles will find you difficult to spot, you should adopt a defensive style of driving.

1.1.4 Focus on the road in front of you. Stay away from potholes, puddles of water and oil, bumps, gravel and all other obstacles on the road.

1.1.5 Always keep in mind that unexpected events such as sudden opening of vehicle doors and falling parts of vehicles can occur. Be very careful at intersections and when overtaking vehicles

1.1.6 Do not go into traffic without getting used to using features such as turn signals, brakes, and horns.

1.1.7 When using an electric scooter, do not load packages and passengers that obstruct your view of the road. Also, stay away from headphones that prevent you from hearing during use.

1.1.8 Maintain a safe braking distance to vehicles, pedestrians and all other objects. The safe braking distance depends on the weather conditions.

1.1.9 When road conditions are bad, drive slowly.

1.1.10 Please do not exceed the maximum load capacity. If you exceed this value, the specified range will be reduced. In addition, exceeding the maximum load capacity can permanently damage the vehicle.

1.2 Rainy Weather

1.2.1 Pay more attention on wet floors.

1.2.2 Brake earlier in wet conditions. Note that the stopping distance will increase.

1.2.3 Reduce your speed, avoid sudden braking and pay more attention when cornering.

1.2.4 Wear clothes that will make you look more comfortable on the road.

1.2.5 Wear reflectors and use safety lights.

1.2.6 ZHoles, bumps, painted areas, level crossings become more dangerous in rainy weather. Be careful.

1.3 Night Drive

1.3.1 Make sure your headlight is on.

1.3.2 Wear light colored clothing with reflectors.

1.3.3 Use in the evening only when required. Use familiar and well-lit streets whenever possible.

2. GENERAL VIEW

VS2



1- Headlight

2- Brake Bar

3- Instrumental Panel

4- Front Signal

5- Throttle

6- Seat

7- Ignition Switch

8- Rear Carrier

9- Stop Light

10- Rear Signal

11- Motor

12- Main Stand

13- Side Stand

14- Windshield

15- Front Disc Brake

16- Passenger Foot Rest

17- Rear Fork Cover

18- Chassis Number cover

2.1 DISPLAY PANEL

V52



- 1- Led speed and battery indicator 5- Horn
- 2- If you turn the throttle grip counterclockwise with the ignition on, the vehicle will speed up. 6- Signal button "◀" symbol shows left turn, "▶" symbol shows right turn.
- 3- Headlight on-off button 7- High and low beam on / off button
- 4- Gear Shifter

INDICATOR MARKS



Remaining
Headlight
Energy



Headlight



WARNING

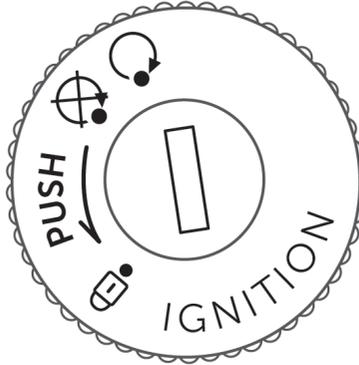
- All parts specified in the instructions have been listed as references. The manufacturer can change them without notice.



CAUTION

- Please do not use the horn in places where it is prohibited.

2.2 IGNITION SWITCH



Different models can be shown with different symbols.

2.2.1 On/Off : Insert the key and move it from position  to position . The vehicle will start. If you do otherwise, the vehicle will shut down

2.2.2 Steering Locking: The vehicle is equipped with a steering lock feature to prevent it from being stolen. If you twist your handlebar all the way to the left  and then move it to the locked position, your vehicle's steering will lock.

Similarly, if you slowly turn your steering wheel to the right when moving it from its locked position

 to the symbol, your steering wheel will be unlocked

2.2.3 Seat Locking: With the seat closed, if you insert the key into the key slot next to your seat and turn it to the left and slowly lift your seat upwards, your seat will be opened. If you switch off your currently open seat, it will lock automatically.

 **WARNING** - Do not drag your vehicle while your steering is locked. The steering wheel will overturn as it is in one direction.

 **CAUTION** - Lock and remove the steering wheel from the parking position. This will keep your vehicle safe.
- Protect your vehicle from direct sunlight. In vehicles exposed to direct sunlight, high heat and UV rays cause the paint reaction with your ABS plastic part. Your vehicle changes colour. Protect your vehicle from direct sunlight. Do not expose to sunlight when not in use.

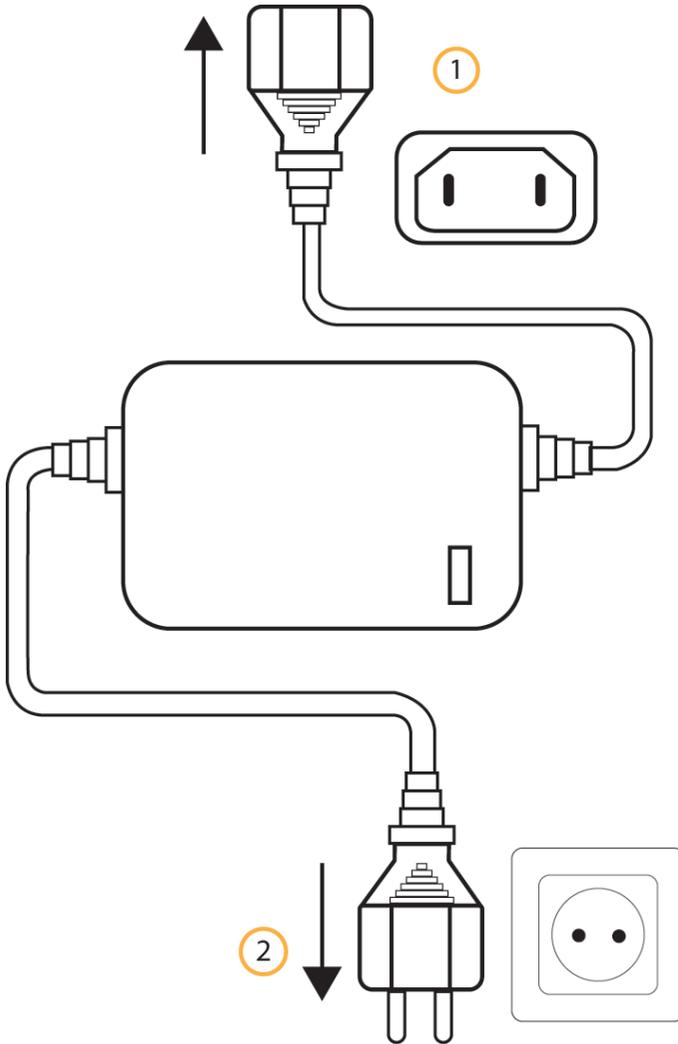
3. BATTERY CHARGING

Before driving for the first time, charge your vehicle with the supplied charger for **6-8 hours (for VRLA Gel Battery) and 4-6 hours (for Li-Ion Battery)**. You should charge your batteries after each use. If you haven't driven your vehicle for a month or more, it should be charged to keep your battery performing. The charging time of your batteries is 6 to 8 hours for lead-acid batteries. 4-6 hours for lithium batteries. (These times apply to completely discharged batteries. Charge your batteries proportionally to their current state). The electrical installation is designed for 230 V alternating current. A higher or lower voltage can damage your charger and as a result of damage your charger may not switch off after charging. For this reason, charging the batteries for more than the maximum charging time can inflate the batteries. Please create a fault record for your chargers that are being charged over a longer period of time. Your battery capacity partially decreases in the winter months. Try to keep the batteries as full as possible.

3.1 Battery Charging On Your Vehicle

Turn off your vehicle. Connect the part marked 1 of the charger to your vehicle and the part marked 2 to the socket. Connect your charger first, then connect it to your vehicle. A possible high / low voltage would damage your charger and not your vehicle. When the indicator light on your battery is green, the battery is fully charged. If you have fully charged the battery and then plug it back in for 1-2 hours, you will be able to charge it more successfully. When charging is complete, pull the power plug out of the socket. Also, unplug your charger from the wall socket when you are not using it. This will extend the life of your product.

3. BATTERY CHARGING



! CAUTION - Your chargers, which deteriorate due to voltage differences in your electrical installation, can damage your vehicle. These types of malfunctions are not covered under warranty. If your vehicle does not charge for this reason, unplug the charger from the socket

4. DRIVING INSTRUCTION

Connection and Assembly

Connection and assembly are done only by authorized services, only in authorized service

4.1 Check the following parts before use

4.1.1 Check that your tires are in good condition.

4.1.2 Check the condition of the moving parts.

4.1.3 Check the tire pressures.

4.1.4 Check the horn and rear view mirrors.

4.1.5 Make sure all nuts and bolts are properly tightened. Also, check that the brake cable and other cables are not pinched and that they are working properly.

4.1.6 Charge the battery when not in use. In times of non-use; Charge every 30 days in summer and every 15 days in winter.

4.1.7 Check all rotating parts and add oil if necessary.

4.1.8 Check all lighting systems.

4.2 Driving instructions

4.2.1 Hold the handlebars with both hands, balance them, and lower them off the center stand.

4.2.2 Turn the ignition on position.

4.2.3 Place your right hand on the throttle. Turn slowly to avoid sudden acceleration. The speed of your vehicle increases as you turn the throttle. To stop your vehicle, take your hand off the accelerator and slowly pull the brake lever toward you. When you pull the brake lever, the throttle will automatically switch off.

4.3 Posture position

4.3.1 Middle stand: Used for long-term parking.

4.3.2 Side stand: It is used in short-term parks.

4.4 Driving Instructions

Do not place heavy and / or large objects in the footrest area. It disturbs the balance of your vehicle and creates danger.

4. DRIVING INSTRUCTION

4.5 Seat

4.5.1 Seat Lock: There is a key entry under your seat on the left side of your vehicle. If you insert a key into this input and turn it counterclockwise, your seat will be unlocked.

4.5.2 Let go of your seat slowly and close it. It will lock automatically.

4.6 Front and Rear

Before the left and right brake levers can recognize their function, they move 10 to 20 mm empty. This distance is called the free distance. Free distances can be adjusted by tightening or unloading the nuts.

4.7 Efficient driving instructions

- If you have regular maintenance of your electric scooter,
- When you comply with the maximum load limits in the certificate of conformity,
- When you use it under suitable weather and road conditions,
- When you charge your electric scooter by following the safe charging guidelines,
- If the maximum speed limit is followed, the driving distance and efficiency of your vehicle will increase.

 **WARNING** - If your vehicle's side leg is open, the throttle will not work as the system will break the circuit. Close the side stand to start moving again. (Applies to some models.)

- Tire pressure is very important both to the overall life of your product and to the proper operation of the system. Excessive low / high tire pressure will break down your vehicle. The tire pressure we recommend for our vehicles is 30 psi.

 **CAUTION** - Brake can be adjusted according to sensitivity. For a safer deceleration, front and rear brakes should be used together.

- Do not use the brake for a long time. If you brake for a long time, the brake sets get hot and lose their performance. This increases your braking distance.
- Please release the throttle while depressing the brake levers.

5. TROUBLESHOOTING

PROBLEM	REASON	SOLUTION
The power light is on but your vehicle is still not moving	<ol style="list-style-type: none">1. Throttle does not work.2. Side stand open.	<ol style="list-style-type: none">1. Replace the throttle handle.2. Close the side stand.
Your vehicle does not start even though the ignition is switched on	<ol style="list-style-type: none">1. Burnt fuse or fuse socket.2. Battery connections are incorrect.	<ol style="list-style-type: none">1. Replace the fuse or fuse socket.2. Bring the battery connections to the position where they should be.
Range shortened	<ol style="list-style-type: none">1. Low pressure in tires2. Battery filling is not complete3. Stopping and getting up frequently, overloading, climbing hills, being exposed to wind.	<ol style="list-style-type: none">1. Inflate the tires.2. Charge or replace the batteries.3. Use in certain road conditions.
The vehicle is not charging	<ol style="list-style-type: none">1. Main fuse may be off2. The charger may be defective.	<ol style="list-style-type: none">1. Open the insurance.2. Consult the service.
Your electric vehicle is losing speed	<ol style="list-style-type: none">1. Battery low2. Battery is faulty	<ol style="list-style-type: none">1. Fully charge the battery.2. Change the batteries

NOT:

If any other fault occurs, please do not repair your vehicle yourself. Please contact our nearest authorized service center.

6. MAINTENANCE AND ADJUSTMENT

6.1 Battery

If possible, store your vehicle in your garage in places away from cold. This will extend the life of your battery.

6.1.1 Do not remove the batteries.

6.1.2 Keep batteries out of the reach of children.

6.1.3 Do not connect the charger anode and cathode while charging or discharging. Never use a conductor between the anode and cathode.

This can lead to a short circuit.

6.1.4 Do not leave the batteries in water.

6.1.5 Keep the batteries away from temperatures of 60 degrees and more.

6.1.6 Do not subject them to physical shock such as hitting, throwing, or falling.

6.1.7 Do not tamper with the batteries with cutting or punching tools.

6.1.8 If a leak occurs and it comes into contact with your skin or eyes, immediately flush it out with plenty of water.

6.1.9 If physical changes such as smell, warming, fire or changes in color occur to the battery, immediately disconnect it from the vehicle and leave the vehicle.

6.1.10 Batteries and battery waste should be left to our authorized services or waste collection points in order not to harm the environment.

6.2 Charger

6.2.1 Only use the original charger specially designed for your product.

It works with 220V. Absolutely do not drop to 110V.

6.2.2 While your vehicle is charging, it must be turned off.

6.2.3 Do not shake your vehicle while it is charging.

6.3 Cleaning

6.3.1 Use only the original charger that was specially developed for your product. It works on 220V. Definitely don't let it drop to 110V.

6.2.2 Your vehicle must be parked while it is charging.

6.2.3 Do not shake your vehicle while it is charging.

6. MAINTENANCE AND ADJUSTMENT

6.3.2 Never lubricate the braking system or the tires.

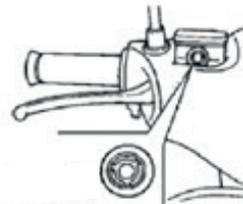
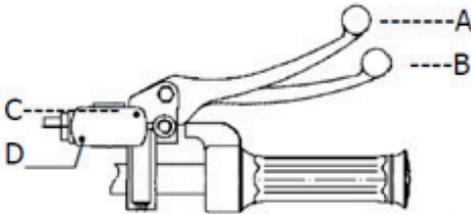
6.3.3 Use oil to clean the metal parts of your vehicle.

6.3.4 Always use standard cleaning agents to clean painted plastic parts. Rinse with a cloth after cleaning.

6.4 Brake Inspection

6.4.1 Disc Brake:

6.4.1.1 The brake lever on the right side of the handlebar is part of the disc brake. The free distance between A and B position is 10-20 mm.



6.4.1.2 If the clearance is not 10-20 mm, the brake fluid is low. Add special brake fluid to the opened part by loosening nuts C and D.

6. MAINTENANCE AND ADJUSTMENT

6.5 Control unit maintenance for engine and drive

6.5.1 During the rainy season, do not let the water level get to where the shaft is in the center of the motor. This behavior protects the engine from combustion and failure.

6.5.2 Do not press the accelerator and brake at the same time to prevent other parts from deteriorating.

6.5.3 When the road surface is bad, slow down. Excessive vibration motor and drive may cause the cables to break inside the computer.

6.6 Regular Maintenance

! CAUTION - 180-day periodic maintenance is performed only by authorized services property. Daily and 60-day treatments can be done by the consumer.

● Control ◆ Adjust ▲ Replace ■ Lubricate

	Daily	60 days	180 days
Tire pressure	●		
Horn	●		
Bulbs	●		
Charger and batteries	●		
Brake	●	● ◆	● ◆
Rim		●	●
Front fork		●	●
Throttle and rotating parts		● ■	● ■
Brake pads and discs			◆

6. MAINTENANCE AND ADJUSTMENT

Your vehicle should be serviced for the first time after 500 km or 1 month. The first maintenance is for control purposes. Your first service after this service will be performed when your vehicle reaches 2000 km. After this care, each treatment will be 2000 and its multiples.

The maintenance intervals for the first 20,000 km are as follows.

- 500 kilometers maintenance
- 2000 kilometers maintenance
- 4000 kilometers maintenance
- 6000 kilometers maintenance
- 8000 kilometers maintenance
- 10000 kilometers maintenance
- 12000 kilometers maintenance
- 14000 kilometers maintenance
- 16000 kilometers maintenance
- 18000 kilometers maintenance
- 20000 kilometers maintenance

The interval between any two maintenance should not exceed 4 months. The consumer, who does not reach the maintenance intervals for more than 4 months, should take the product to the authorized service for maintenance. Vehicles that do not comply with maintenance intervals and kilometers will not be covered by the warranty.



- Vehicles that do not have regular maintenance once every 4 months will be considered out of warranty.

6. MAINTENANCE AND ADJUSTMENT

6.7 Maintenance Records

DATE	PROBLEM AND SOLUTION	RESPONSIBLE	NOTES

6.8 Transport

Make sure that the ignition and the fuse are turned off while carrying your vehicle. Also, remove one of the battery connections. Apply the front rear brakes. In order to prevent any external damage to your vehicle, you can safely carry it by wrapping cardboard on a metal cage.

7. TECHNICAL SPECS

Parameters	Features	VRLA Gel	Li-ION
Dimensions	(Length/Width/Height) [mm]	1790/750/1055 mm	1790/750/1055 mm
Weights	Unit (kg)	89 kg	64 kg
Main Features	Maximum Speed (km/h)	45 km/h	45 km/h
	Range (km)	50 km	50 km
Battery Features	Voltage (V)	60 V	60 V
	Capacity (Ah)	22 Ah	20 Ah
	Battery	VRLA Gel	Li-ION
	Charger Features	60V/20A	60V/2A
Motor Features	Power (W)	2000 W	2000 W
Display	Display Type	LCD Display	LCD Display

8. AUTHORIZED SERVICE

The lifespan of your electric scooter is 10 years and the maximum repair time is 45 working days. If you encounter a problem with your vehicle, you can visit our website at **www.volta.com.tr** and contact one of our authorized services, the number of which is more than 350.



MANUFACTURER COMPANY

Volta Motor Sanayi ve Ticaret A.Ş.

- Selamlar Köyü Selamlar Mevkii Gümüşova OSB
1. Sokak Volta Motor San. ve Tic. A.Ş. Blok No:10
Gümüşova / DÜZCE / TURKEY
Tel : 0850 222 28 65 - 0380 731 25 25

Volta Motor Sanayi ve Ticaret A.Ş. - Tübitak Teknoloji Serbest Bölgesi

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

Volta Motor Sanayi ve Ticaret A.Ş - Çin Halk Cumhuriyeti

- No. 36-37, Yougu Industrial Park, No:58
Jinghong Road, Xibei Town, Xishan
District, Wuxi City JIANGSU / CHINA
地址：无锡市锡山区锡北镇泾虹路58
号优谷产业园36-37号

MANUFACTURER COMPANY

Title	Volta Motor Sanayi ve Tic. A.Ş.		
Address	Selamlar Köyü Selamlar Mevkii Gümüşova OSB 1. Sokak Volta Motor San. ve Tic. A.Ş. Blok No:10 Gümüşova/DÜZCE/TURKEY	Tübitak MAM Teknoloji Serbest Bölgesi Barış SB. Mh. 5001 Sk. No:3 A/B GEBZE/KOCAELİ	No. 36-37, Yougu Industrial Park, No:58 Jinghong Road, Xibei Town, Xishan District Wuxi City JIANGSU/CHINA 地址：无锡市锡山区锡北 镇泾虹路58号优谷产业园36-37号
Tel	+90 380 731 25 25	+90 850 222 28 65	
Fax	+90 380 731 25 35	+90 380 731 25 35	

ÜRÜNÜN

DESCRIPTION	ELECTRIC MOPED
BRAND	VOLTA
MODEL	
ChASSIS NUMBER	
DELIVERY DATE AND PLACE	
REPAIR PERIOD	45 WORKDAYS
WARRANTY PERIOD	2 YEARS

VENDOR COMPANY

TITLE		
ADDRESS		
TELEPHONE		
FAX		
INVOICE DATE AND NO		
DATE OF SALE		

This area must be completely filled out by the seller (stamp – signature).

1. This Warranty Statement must be retained for the duration of the warranty as it is 2 years and the presentation of the Warranty Statement is essential to obtain the warranty.
2. All parts of the item, including all parts, are covered under warranty.
3. If the item is found to be defective, as laid down in Article 11 of the Law on Consumer Protection No. 6502, the consumer may
 - a) withdraw from the contract, indicating that it is ready to return the sold product,
 - b) retain the sold product and request a discount on the sale price at the rate of defect rate,
 - c) request that the sold product is to be repaid free of charge at the expense of the seller unless excessive cost is required,
 - ç) If possible, request the replacement of the sold product with a flawless equivalent and exercise one of the optional rights.
4. It is essential to submit an approved Warranty Certificate and invoice as invoices will be taken into account for any discrepancies during the provided warranty period.
5. The warranty is voided if any destruction is made on the invoice and warranty document, the original serial number on the vehicle is removed or destroyed.
6. The warranty shall be void if the installation, maintenance or repair of the equipment is performed outside of our authorized dealer or if the vehicle has been repaired outside of an authorized service.
7. Vehicles must be serviced by an authorized dealer at the intervals specified in the user's manual delivered with the vehicle. Vehicles not serviced on time will be out of warranty.
8. The warranty issued by our company does not cover the elimination of defects resulting from the use of the vehicle for purposes other than those for which it is intended or in abnormal conditions, nor the failure described below is covered by the warranty;
Failures caused by the addition of parts or parts not manufactured or sold by -Volta motorcycle,
 - Water ingress into the rear wheel shaft of the Vehicle after deepwater ingress or washing with a high-pressure washer,
 - wear, breakage or deterioration of parts such as axles, differential, gearboxes, engines, rims, etc. as a result of vehicles being used above the maximum carrying capacity specified in the technical documentation,
 - Failures arising from modifications carried out without the written approval of Volta Motorcycle,
 - Battery, lining, tire, belt, etc. wear, tear and performance of parts which are worn out by use,
 - Liquid contact to the electronic components,
 - Bending of shock absorber and frame fixings over the carrying capacities listed in the instruction manual or breakage due to a hard impact,
 - Damage and faults caused by acts of fire, flooding, flooding and lightning strikes,
 - Batteries are products with shelf life. Batteries that have been left unused for more than 90 days (by dealer or end-consumer),
 - Damage to the vehicle during transport loading, unloading and transport after delivery to the user.
9. No one other than the one identified in the Vehicle Invoice and Warranty Certificate may claim any rights or compensation.
10. The consumer may contact the Consumer Arbitration Committee or Consumer Court where the consumer is located or consumer transaction is performed, in any dispute relating to the exercise of their rights under the warranty.



TURKEY'S INTERNATIONAL BRAND

VOLTA

ENGINEERED BY ELECTRIC

DÜZCE TURKEY

📍 Selamlar Köyü Selamlar Mevkii
Gümüşova OSB 1. Sokak
Volta Motor San. ve Tic. A.Ş. Blok No:10
GÜMÜŞOVA/DÜZCE/TURKEY

☎ 0380 731 25 25

✉ info@volta.com.tr

GEBZE TURKEY

📍 Tübitak MAM Teknoloji Serbest Bölgesi
Barış SB, Mh. 5001 Sk. No:3 A/B
GEBZE/KOCAELI/TURKEY

☎ +90 850 222 28 65

✉ info@volta.com.tr

JIANGSU CHINA

📍 No. 36-37, Yougu Industrial Park, No:58
Jinghong Road, Xibei Town, Xishan
District, Wuxi City JIANGSU/CHINA
地址：无锡市锡山区锡北镇泾虹路58
号优谷产业园36-37号

✉ info@volta.com.tr

www.volta.com.tr