

Read this user's manual carefully before using 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.
- 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.



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.

CONTENTS



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Pre-Drive Instructions

- Check the condition of all the movable parts.
- Check all rotating parts and add oil if necessary
- Check whether the tyres are in good condition.
- 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-drive instructions before starting to use.
- Grasp the grips with both hands while driving.
- 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.



WARNING

• Do not enter curvy road with your vehicle at high speeds. This can cause your vehicle to rollover and endanger your life.

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.



- 1- Head Lamp
- 2- Mirror
- 3- Brake Lever
- 4- Speedometer
- 5- Ignition
- 6- Seat
- 7- Stop Lamp

- 8-Front Direction Indicator
- 9- Front Wheel
- 10- Electric Motor
- 11- Rear Wheels
- 12- Compensating Wheel
- 13- Charging Connector



WADNING

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



- 1- Main / Dipped Beam Button
- 2- Speedometer Panel
- 3- Throttle lever
- 4- Horn

- 5- Direction Indicator Button
- 6- Direct / Reverse Driving
- 7- Lighting Switch
- 8- Electronic Gear

SPEEDOMETER INDICATORS





Main Beam





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

Actuating

Insert the ignition key into its slot and turn it to the on position.

Acceleration and Deceleration

Turn the throttle lever downwards. In this case, your vehicle will move.

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



Braking

There are braking sensors in the brake lever. 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

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



CAUTION

- The throttle must be released while squeezing the brake levers.
- You can experience the brake 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 braking.
- 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.

Battery Information

The vehicle is equipped with five rechargeable VRLA gel batteries that can provide 60V 22Ah energy. Since, the use of the battery affects the life of the vehicle and environmental conditions, it is necessary to pay maximum attention to the following points.

- Keep batteries away from children.
- Avoid contact of your battery with water.
- Do not disassemble the batteries. Do not tamper with the batteries with sharp tools.
- Protect the batteries from temperatures of 60 degrees and above.
- Do not subject it to physical impacts such as hitting, throwing, dropping.
- Do not pour the liquid inside the battery to the soil, water or sewer.
- Do not burn the plastic parts of the battery in stoves and boilers.
- In case any leakage comes into contact with skin or eyes, rinse immediately with plenty of water.



Seat Lock

- For raising the seat, insert the key its slot located at the back of the vehicle and turn on.
- To close, release slowly the seat into its driving position.

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CAUTION

• There are live electrical parts such as fuses and converters in the compartment under the seat. Although these parts have IPXXB protection level, avoid contact with bare hands except authorized persons.

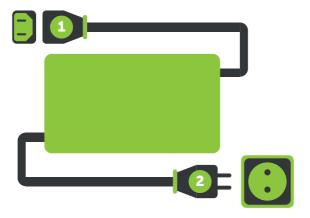


WARNING

- Store your electric vehicle away from the cold, in your garage if possible. This will extend the life of your battery.
- If you do not use your electric vehicle for a month or more, discharge and recharge the batteries at least once every months. This will help you maintain the battery performance.

Charger

- Charge your electric vehicle with the charger delivered to you with the vehicle. Don't forget to charge it for 6-8 hours before its first drive. To charge the vehicle, please follow the instructions below;
- Make sure your electric vehicle is turned off.
- First of all, plug the part of the charger indicated with "2" into the socket.
- Then, place the part of the charger indicated with "1" to the charging connector of your vehicle.
- Arc/spark may occur while connecting the charger to the vehicle.
- Make sure that red light indicating on the charger that the battery is charging
- Wait until the light on the indicator turns green.
- After the charging is complete, unplug the socket from the charging port.
- Disconnect the charger from the socket.
- Disconnecting the charger from the socket will extend the life of the vehicle.





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.

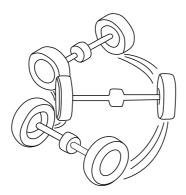


CAUTION

- 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.

Differential

The differential allows the wheels to turn at different speeds depending on the bend you have taken. When you turn the corner, the inner wheel of your vehicle rotate slower, while the outer wheel tend to turn faster. In corners, the distance traveled by the outer wheel is greater than the distance traveled by the inner wheel.





WARNING

- The oil in the differential must be checked and changed during the 180-day periodical maintenance process. If the differential oil is not changed, permanent damage may occur.
- Do not enter curvy road with your vehicle at high speeds. This can cause your vehicle to rollover and endanger your life.

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.

Tyre 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.

	Size	LCI, Speed Index	Tyre Pressure			
VMU	3.00-10	42 J	36 psi / 250 kPA			



- 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.

Rear Wheel and Suspension Assembly

• Make sure all the nuts holding the front and rear suspension are tight. If the suspension connections are not tight, it will cause some connection points to be subjected to more force than usual. As a result of this damage, it may cause an accident.

Adjusting the Throttle Handle

- Check that the throttle can move easily.
- The distance from the highest position to the first throttle response should be between 2 and 6 mm. To adjust this, loosen the jam nut, turn the adjuster and tighten it again.

Change of Circuit Breaker

 There is an 35A circuit breaker under the seat. The circuit breaker should only be replaced with an equivalent one after making sure that the vehicle is in the off position.

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CAUTION

- Areas where high electric current flows in the vehicle are covered with orange cables. Never
 interfere with these cables except for the authorized services.
- The use of circuit breaker below the specified capacity causes continuous circuit interruption of the system, and the use of circuit breaker above the specified capacity causes the deterioration of electronic parts due to high currents. This may cause damage to the cables so to the vehicle.
- Do not use high pressure water while washing your vehicle. It will damage your electrical systems.

Maintenance Interval

- Even if your vehicle runs smoothly, it should be checked at regular intervals by going to authorized services. These intervals are specified in detail on the next 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 must be made with the original parts.
- Maintenance, repair, modification or any change that will increase the
 performance of the vehicle other than the authorized service stations
 approved by the manufacturer will cause the product to be out of warranty.

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.

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 approved parts by the manufacturer.
- For your personal safety, turn off the motor before any maintenance.
- If the vehicle has not been used for 1 month or more, check the parts that are likely to corrode, such as tyres and batteries, and start driving.



WARNING

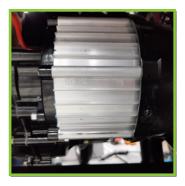
 Never use very high pressure water while washing your electric vehicle, high pressure water may cause some parts to absorb water. Parts that receive water may lose their performance and deteriorate

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.



Vehicle Identification Number



Motor Code



WARNING

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

Malfunction and Maintenance

In case the vehicle doesn't start, contact the authorized service. Do not interfere with the vehicles individually during the warranty period. Common problems can be:

NO	Malfunction	Action to be taken
1	The vehicle doesn't start.	-Check the battery voltage (It should be over 60V) -One of the sockets may have come loose, make sure that the sockets are fully seatedCheck if there is voltage at the input and output of the circuit breakerMake sure there is power on the ignitionMake sure around 60V coming to the converter.
2	Horn not working.	-Examine whether there is a visible problem on the horn. -Check the voltage between converter and horn (should be around +12V) -Check all regarding sockets and cables
3	Direction indicators are not working.	-Check the bulb of the signal or lambCheck the sockets coming to the signalsMake sure there is +12V in the signal installationAt the converter output check the circuit breakerMake sure that +60V (between 53-60V) is coming to the converterIf it is not fixed despite all this, disconnect the battery supply cable from the converter line.
4	The vehicle starts but doesn't move.	-Check if the brake sensors are activated. (If the stop lamp is on as if the brake is pressed, the brake sensors are activated.) -Make sure the battery data socket is fully insertedMake sure the battery level is above 60V -Check the throttle.
5	The wheels are vibrating.	-Motor or controller failure. Contact with the authorized service.
6	Brakes are not working properly.	-Check the pads.
7	It is not charging.	 -Make sure that the charging switch is turned off. -Make sure that the cables entering the charging switch are plugged in. -Make sure that the cables entering the charging switch are in the correct order.

Periodic Maintenance

- 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.

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WARRANTY MAINTENANCE CARD PERIODIC MAINTENANCE TABLE

1.моитн	4. моитн	8. моитн	12.моитн	16.моитн	20. MONTH
STAMP	STAMP	STAMP	STAMP	STAMP	STAMP
DATE://	DATE:/	DATE://	DATE://	DATE://	DATE://
24.моитн	28.MONTH	32.моитн	36.моитн	40.моитн	44.MONTH
STAMP	STAMP	STAMP	STAMP	STAMP	STAMP
DATE://	DATE://	DATE://	DATE:/	DATE://	DATE://
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ELECTRIC VEHICLES MAINTENANCE TABLE								
				INTENAN whichev		first.		
PART/ SYSTEM NAME	ACTION TO BE TAKEN	1.Month CONTROL	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)
	Check that the brake cables are not pinched and work properly, adjust if necessary.	•	•	•	•	•	•	•
	Replace the brake pads if necessary.							
FRONT AND	Check and adjust the brake lever clearances.	•	•	•	•	•	•	•
REAR BRAKE	Check the operation of the brake sensors.	•	•	•		•	•	•
	Check the hydraulic oil lever and any leaks. Check the brake discs.							
	Check the brake discs.							
Connectors	Make sure all nuts and bolts are adequately tightened.	•		•				•
Battery	Measure battery voltage, fully charge or replace if necessary.	•		•	•		•	•
ваттегу	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 fucntional.	•	•	•	•	•	•	•
Charger and Socket	Check operation and connections.	•	•	•	•	•	•	•
Chain (if equipped)	Check tension and lubricate.			•	•			

NOTE:

-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 SAN.TİC.AŞ Selamlar Koyu Selamlar Mevkii Gumusov OSB 1. Sokak Blok No: 10







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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-driving 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.

Assembly

The electric vehicle is delivered assembled.

TECHNICAL SPECIFICATIONS

Param	eters
Length	1750 mm
Width	710 mm
Height	1220 mm
Wheelbase	1110 mm
Rear Track Width	580 mm
Weight	108 kg
Max Carrying Capacity	95 kg
Battery Mass	35 kg
Electric Motor Max Power	1000 W
Electric Motor Max Torque	4,4 Nm
Motor Type	BLDC
Battery Capacity	60 V 22 Ah
Battery Type	VRLA Gel
Charger Capacity	60-74.4V 2.6A <u>+</u> 0.2A
Charger Time	6-8 sa
Transmission	Differential
Climbing Ability	% 26
Max Speed	25 km/sa
Energy Consumption	31 Wh/km
Range	49 km
Front Brake	Drum
Rear Brake	Drum
Seat Position Number	1
Front Tyre	
Size	3.00-10
Load, Speed Index	
Pressure	250 kPa /36 psi
Rear Tyre	
Size	3.00-10
Load, Speed Index	
Pressure	250 kPa /36 psi

MANUFACTURING COMPANY

DUZCE FACTORY

- Selamlar Köyü Selamlar Mevkii Gümüşova OSB 1.Sokak Blok No:10 Gümüşova / DÜZCE / TÜRKİYE
- Tel:0380 731 25 25

GABZE FREEZONE

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

Wuxi Technology Co., LTD

 No. 36-37, Yougu Industrial Park, No:58 Jinghong Road, Xibei Town, Xishan District, Wuxi City JIANGSU / CHINA

MANUFACTURER VTA Trade Name Selamlar Koyu, Selamlar Address Tubitak MAM Teknoloji No. 36-37 Yougu Industrial Mevkii, Gumusova OSB 1. Park, no:58 Jinghong Germanyr GMBH Serbest Bolgesi Baris SB. Sk. No:10 Handwerkerstraße Road, Xibei town, Xishan Mh. 5001 Sk. No:3 A/B Road, Xibei Town, Xishan 15366 Hoppegarten, Gumusova/DUZCE/ Gebze/KOCAELI /TURKEY District, Wuxi City Hoppegarten / Almanya TURKEY JIANGSU / CHINA Phone +90 850 222 28 65 +90 850 222 28 65 Fax +90 850 222 28 65 +90 850 222 28 65 **PRODUCT** Type Electric Vehicle Commercial VTA Name Model VM4 VIN Delivery Date and Place Warranty Period 1 Years **SELLER** 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)

- 1. The warranty period of the vehicle is one year and the warranty covers only the supply of spare parts. Spare parts will be sent if the warranty conditions are met stated in this user manual. In order to benefit from warranty it is necessary to submit Warranty Certificate that must be kept for the duration of the warranty.
- **2.** The use of the product in violation of the terms in the user manual and the resulting malfunction in the product are considered as usage errors and are considered out of warranty.
- **3.** Since the invoice will be taken into account in case of disputes that may arise within the warranty period, it is obligatory to submit the approved Warranty Certificate and invoice.
- **4.** 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.
- **5.** 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.
- **6.** The periodic maintenance of the vehicles should be done by authorized services at the intervals specified in the user manual delivered with the vehicle. Vehicles that are not serviced on time will be out of warranty. The responsibility in this regard belongs to the consumer who owns the vehicle.
- 7. The warranty given by our company does not cover the faults that may arise from the use of the vehicle in question for other than its purposes or in abnormal conditions, and the below-mentioned faults are also out of warranty;
- Failures caused by adding parts or parts not produced or sold by VTA to the vehicle,
- Water intake of parts as a result of washing with high-pressure washing,
- Bending, breakage or deterioration of parts such as axle, differential, gearbox, motor and wheel as a result of using the vehicle above the maximum carrying capacity specified in the technical documents,
- Malfunctions arising from modifications made without the written approval
 of VTA.
- Wearing, aging and loss of performance of battery, pad, tyre, belt and similar parts as a result of use,
- Contact of electronic components with water,
- Loading the shock absorber and chassis fasteners above the carrying capacity written in the user manual or breaking as a result of hard impact, bending,
- Damages and malfunctions that may occur as a result of disasters such as fire, flood, flooding and lightning,
- Batteries are products with a shelf life. Batteries that have been kept unused for more than 90 days (by the dealer or the end user),
- Damages that may occur during, loading, unloading and transportation of the vehicle after delivery to the user.
- **8.** 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.

TALENGINEERED BY ELECTRIC

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