IN10

USER MANUAL

https://eu.yozmasport.com/

CONTENTS

EN ---- 00——24
DE ---- 25——50
FR ---- 51——76
ES ---- 77——101
PL ---- 127——102
IT ---- 128——153

1.Safety and prevention ---- 01
1.1 Warning ---- 01
1.2 Riderusage ---- 01
1.3 Precautions for a safe ride ---- 02
1.4 Battery ---- 02
1.5 Forbidden roads ---- 02
1.6 Overload ---- 03
1.7 Inclement weather ---- 03
1.8 Operating parts underhigh temperature ---- 03
1.9 Minimize the risk ---- 04
2.Package contents ---- 05
3.Product overview ---- 06
4.Specifications ---- 07
5.Assembly ---- 08
5.1 Install the front wheel ---- 08
5.2 Install the front brake ---- 08
5.3 Install the rear shock absorber ---- 09
5.4 Install the front fender ---- 09
5.5 Install the number plate and front light ---- 10
5.6 Install the handlebar ---- 11
5.7 Install the display ---- 12
5.8 Install the footrests ---- 13
5.9 Power supply ---- 13
6.Charging ---- 14
7.Startand run ---- 15
7.1 Pre departureinspection ---- 15
7.2 Pre-departure guidance ---- 15
8.Display and Setting ---- 16
8.1 Display overview ---- 16
8.2 Introduction to key usage ---- 17
8.3 Settings ---- 18
8.4 Meaning of vehicle status codes ---- 18
9.Maintenance ---- 19
10.Troubleshooting ---- 20
11.Warranty ---- 22
12.Contact Us ---- 24

Safety and prevention

1.1 Warning

1. The operation of electric motorcycles has inherent risks. In specific cases, the operation of an electric motorcycle has the following elements: Motorcycles can break down, not because there are any defects in their manufacturing. Motorcycles are designed for sport, with the potential for relinquishing control, leading to a fall, accident, or dangerous situation, the effectiveness of which outweighs caution, guidance, or skill. In the event o such an incident, whether or not protective equipment and other safety measures are used, it may result in serious injury or loss of life.

   Please note that riding activities require understanding, taking risks on your own, and always using common sense.

2. This instruction manual contains many warnings and precautions, and users should be aware of the consequences of not checking and not maintaining when using electric motorcycles. We declare that users are injured or even killed under warnings and reminders.
   We repeatedly remind each warning and the responsibility rests with the user.

3. This electric motorcycle is not allowed to be used without carefully reading this user manual in advance.

4. Install individual components of your electric motorcycle correctly in accordance with this owner's manual, otherwise incorrect installation may result in control failure, collision, or crash. Please turn off the power before installation, repair or maintenance. Install the components properly, neither too loose nor too tight, otherwise damage or failure may be caused.

1.2 Rider usage

1. It is recommended that users be aged 16 and above. Riders who do not meet the age requirements should not attempt to drive this electric motorcycle. Age requirement:16 to 50 years old. Parent Notice: As a parent or guardian, it is your responsibility to ensure the activity and safety of your child. It is highly recommended that your child stay away from motorcycles.

2. People with the following conditions should operate with caution: patients with heart disease, pregnant women, patients with head, back or neck diseases, or those with a history of surgery or childbirth in these parts of the body.

3. Any person with physical flexibility or mental ability that may mae them vulnerable to injury or damage their mental or physical condition, to recognize, understand, and execute all safety instructions, and to be able to withstand the inherent dangers of using the equipment.
   Before riding, check local laws or regulations that may affect where electric motorcycles are used.

Please check the status of the motorcycle before riding and ensure that everything is safe before riding.

Safety and prevention

1.3 Cycling apparel for safety

1. Wearing appropriate protective equipment is required: Hard helmets are approved (we require helmets for all assigned personnel); Gloves,elbow and knee pads,trousers; Lace up your shoes and wear shoes with rubber soles.
   Do not ride without shoes or open-toed shoes.
   It is recommended that you wear goggles to avoid eye contact with contaminants,dirt,and insects.
   Please wear dark goggles in strong light,and goggles with higher transparency in low light.Do not wear high heels.

1.4 Battery

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

A WARNING:Do not dispose of battery pack in fire.The battery pack could explode.
Do not mix old and new batteries.Do not mix akaline batteries,standard (carbon zine) batteries,or rechargeable (nickel cadmium)batteries.

The product contains lithium ions (LFP) batteries, which must be disposed of according to locally applicable procedures. Regulations on batteries. You should not discard lithium-ion batteries or dispose of them in garbage.
This product contains sealed lithium-ion batteries and must be handled properly. For more information, please contact your local recycling/reuse or hazardous waste center.

1.5 Forbidden roads

Do not drive on the motorway.

Do not drive on roads with slopes exceeding 30°, and do not venture through steep slopes, uneven roads, or other unfamiliar terrain.

Do not ride indoors or on potentially damaged surfaces such as carpets or floors. Outdoor practice is prohibited until you are fully familiar with the operation methods of the motorcycle.

The more you practice, the safer you will be able to ride in new situations. Please note the basic points of the exercise: First, you need to be in an accessible area(>10m×10m)Perfom elementary exercises to practice riding forward, turning and stopping. Stay relaxed while practicing. When practicing for the first time, it is recommended to do it under the guidance of an experienced person or instructor. Try to practice navigating tight areas, turning, and stopping, movements that become more proficient as you go deeper in practice. Riding on ordinary roads is not allowed until you can precisely control the motorcycle through tight areas and simulate various terrain.

Safety and prevention

Every time you upgrade your electric motorcycle, you need to experience the feeling of riding, so be sure to practice in the same area as the obstacle zone after your first motorcycle upgrade.

Do not ride on water,mud,ice,bumpy,uneven,slippery or rough surfaces.Submerge the motorcycle in water; Electrical and drive components may be damaged by water or cause other potentially unsafe conditions. Do not drive in areas with limited visibility.

Do not drive on highways or run red lights. Obey the traffic rules and give way to pedestrians.
Please respect the rights of others with whom you share the road or sidewalk, including motorcyclists, cyclists, pedestrians, and other cyclists.
Strengthen your awareness of self-protection while riding. Take care of yourself, vehicles and pedestrians.

1.6 Overload

When using a motorcycle, do not overload more than 120KG. We recommend a rider's weight of approximately 80KG, overloading beyond 80KG will cause permanent damage to the motorcycle and chain.

1.7 Inclement weather

Do not ride in inclement weather such as rainy, wet, wet, dry, arid, cold ,foggy, windy or stormy weather.

Do not submerge the battery and motorcycle frame in wate to avoid storms or prolonged riding in the rain.

Do not use strong current or high-pressure water gun to clean the motorcycle to avoid water ingress.

At the charging port.If your motorcycle has been exposed to storms for an extended period of time, stop using it immediately, wipe it with a dry soft cloth, and contact after-sales service.

Do not do anything other than wipe down the motorcycle so as not to void the warranty due to any wrongdoing.

1.8 Operating parts under high temperature

Never touch the motor or brakes on your motorcycle after use, as these parts can get very hot and damage the human skin.

Safety and prevention

1.9 Minimize the risk

To reduce the risk and avoid life threatening, hold the handle with both hands when the user starts riding, and never perform any high-risk manipulation to avoid increasing the risk of riding.

Do not use your motorcycle as a cargo transport.

When approaching or crossing intersections, motor vehicle lanes,turning or passing gates, please slow down and allow pedestrians, bicycles and motor vehicles to go ahead. Do not ride a motorcycle after being sick or unable to fully follow the instructions specified in this owner's manual, or afte taking medication or drinking alcohol.

Comply with local traffic laws so as not to affect the driving of electric motorcycles. It is your responsibility to be aware of and comply with the laws of your location as to the specific locations where it can be used.

Package contents

 User Manual	 Charger ×1	 Fender ×1	 Tools ×11
 Airbag ×1	 Front Wheel ×1	 Headlights ×1	 Keys ×2
 Bicycle Bag ×1	 Up and down Briquetting ×2	 Numbered Plates ×1	 Cable Tie x2
 Display ×1	 Right Pedals ×1	 Number plate stickers ×1	 Electric Bike ×1

Product overview



Specifications

Item	Content	Parameter
Basic information	Mode	IN10
	Weight (including battery)	55 KG
Riding requirements	Age	16-50
	Maximum load	120 KG
Main specifications	Peak power	500W
	Speed per hour	20 km
	Seat height	72 cm
	Wheelbase	106 cm
	Minimal ground clearance	23 cm
	Climbing ability	30°
	N.W.	55 kg
	G.W.	62 kg

Item	Content	Parameter
Battery	Battery type	Lithium-ion battery
	Capacity	23.4Ah
	Charging	AC 110V-230V/50-60Hz
	Charging time	5-6hrs
	Nominal voltage	54V
Motor	Motor type	Brushless motor
	Motor maximum speed	4500RPM
	Voltage	54V
Main specifications	Applicable temperature	32F~86F
	Applicable storage temperature for battery	Theamast suitable temperature range for battery storage is 68
Dimensions	Product dimensions	1560*730*950mm
	Packaging specifications	1370*325*640mm

Assembly

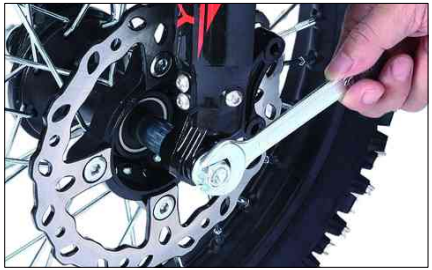
Step 1: Install the front wheel



❶ Pass the front wheel axle through the tire assembly and the left and right bushings in sequence. (The left bushing is shorter, and the right bushing is longer.)



❷ Fully insert the front axle through the tire assembly as shown.

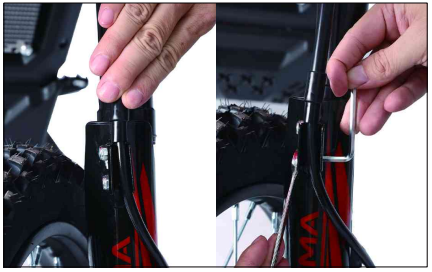


❸ After passing them through in sequence, tighten the nut with a wrench (control the torque at 40-50N·M).

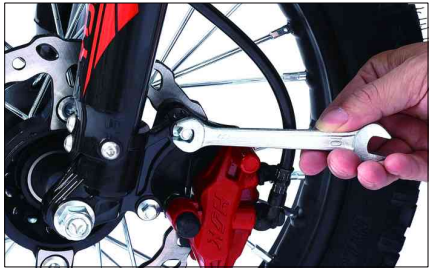
Step 2: Install the front brake



❶ Take out the lower pump plug.



❷ Secure the brake hose into the designated slot, then tighten the screw.



❸ Align the brake with the brake disc and tighten the screws(recommended torque is 10N·M).

Assembly

Step 3: Install the rear shock absorber



❶ Align the rear shock absorber with the hole positions.

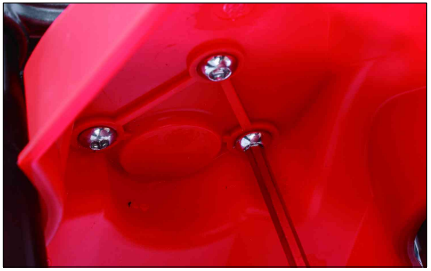


❷ Insert the screws and tighten them. (control the torque at 40-50N·M)

Step 4: Install the front fender



❶ Align the fender with the reserved holes under the lower link plate.



❷ Tighten the screws according to the picture.

Assembly

Step 5: Install the number plate and front light



❶ Remove the number plate bracket from the upper link plate.



❷ Tighten the removed bracket and the number plate with screws.



❸ Assemble the front light in the manner shown in the figure, align the connectors and press them tightly.



❹ Align the holes between the number plate and the front fender in the manner shown in the figure.



❺ Clip the front brake oil pipe to the buckle of the number plate.



❻ Align the reserved holes between the number plate bracket, front light bracket and the surface of the upper link plate, then tighten them with screws.

Assembly

Step 6: Install the handlebar



❶ Align the handlebar lower pressing block with the reserved holes of the upper link plate, and pre-tighten with screws.



❷ Loosen the screw of the front brake lever at the position shown in the figure.



❸ Then fit the front brake lever and the handlebar grip onto the appropriate position of the handlebar, and tighten the screws.



❹ Tighten the handlebar grip screw as shown in the figure. Align the throttle grip plane with the installation stop line of the throttle grip—the zero line.



❺ Place the handlebar in a proper position, then align the holes of the upper and lower handlebar clamps, and tighten the screws of the upper and lower clamps.



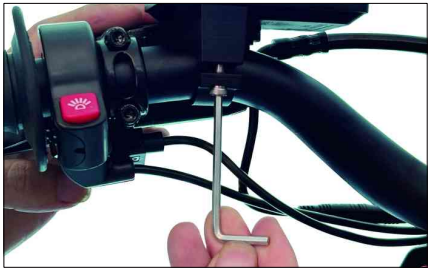
❻ Tighten the previously pre-tightened screws of the lower handlebar clamp.

Assembly

Step 7: Install the display



❶ Ensure the entire vehicle is powered off. Align the two connectors of the instrument, arrow to arrow, and plug them in firmly.



❷ Attach the instrument screw loop to the left side of the handlebar, and tighten the instrument screw using a 3mm hex socket screw.



❸ Wrap the instrument wires, switch wires, and brake wires tightly in a clockwise direction using spiral wrap.

Assembly

Step 8: Install the footrests



❶ Remove the parts at the footrest position.



❷ Assemble the spring and the footrest in the manner shown in the figure.



❸ Assemble the footrest on the vehicle in the manner shown in the figure.

Step 9: Power supply



❶ Insert the key into the seat plate lock hole and open the seat plate.



❷ Insert the power cord into the battery in the manner shown in the figure.

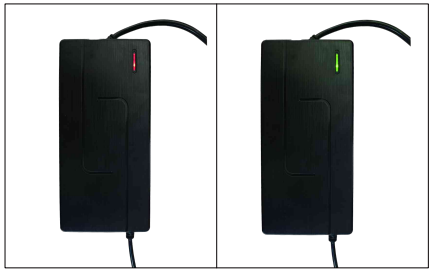
Charging

Before using the electric bike, you must fully charge the battery

1. Remove the rubber cover of the charging port on the right side of the battery.
2. Ensure the battery is off by inspecting the power switch markings.
3. Plug the charger into the battery's charging port. With the battery on or off the bike. place the charger in a flat, secure place, and connect the DC output plug from the charger to the charging port on the side of the battery.
4. Plug the charger into a power outlet, charging should initiate and will be indicated by the LED charge status light on the charger turning red. Once fully charged, the charging indicator light turning green, unplug the charger from the wall outlet first and then remove the charger output plug from the battery charging port.







Start and run

7.1 Pre-departure inspection

Before riding, for your safety,please check the following hardware:
Brake lever Check whether the braking system works flexibly,make sure to cut off the power when braking.
Ensure that the brakes are working properly,with proper tension,and that the brakes can react in time and stop the tire rolling.

Throttle valve

Make sure that you are in an open and safe area to ride before turning the throttle,that you are balanced on the motorcycle,and that your hands are on the handle controls.

Tire

Check that the wheels are turning well and that the tire pressure is within the normal range.Ensure that the pressure of the rear tires is within the correct PSI range,and then ride the motorcycle.

Battery

Check if the battery is fully charged. Make sure to turn off the power switch when the motorcycle is not in use. Never store products frozen or at extremely high temperatures(our recommended temperature is (68°F(20℃)-45°F(7℃).Extreme temperatures will permanently damage the battery. If the battery is low, the motorcycle may not be able to travel at a consistent high speed as expected.You can charge for a better ride.

Plate and fork

Always check your motorcycle before riding.Check for cracked,broken,worn,or loose parts that should be repaired or replaced before riding.

Instrument panel(display)

Make sure that the dashboard can display an image when the switch is turnd on,check the remaining power,and there is noerror indicator light on the dashboard.

7.2 Pre-departure guidance

Before you ride, be sure to check the following to ensure your safety.
The starting gear is always in lst gear(ECO mode). This product has 3 gears,and users can switch gears through the buttons on the dashboard.
For your safety,do not ride your motorcycle in high gear.
When driving at high speed, the motorcycle bracket must be lifted. When using the motorcycle, a protective helmet must be worn.
Comply with local traffice regulations, which may affect the location where electrie motorcycles are used. You are obligated to know and comply with local laws and regulations.

Display and Setting





Display and Setting

Introduction to key usage

The key operation is divided into short press and long press, as well as combination key + long press and − short press for quick/frequent operations M . For example, short press can switch the assist/speed gear during cycling; short press can switch the display data of multi-function area during cycling.

Note: Single long press is mainly used for mode/switch status switching, and compound key (long press) is used for parameter setting. In order to reduce misoperation (short press does not do compound key, because it is easy to trigger), the specific operation explanation is as follows:

Set or cancel the 6Km/h cruise, real-time cruise, and turn on/off headlights. When − the vehicle is stationary, long press to enter 6KM/h cruise − mode. While riding, long press to enter real-time cruise mode; if you + are in cruise mode, long press to cancel it. Long press for 3 seconds to M turn on/off the headlights. Switch the LCD display: if the display is currently active, long press for 3 seconds to turn it off; otherwise, press to turn it on.

Press and hold the − on the display for 3 seconds to deactivate the speed limit and allow the vehicle to reach its maximum speed.
Press and hold the − again for 3 seconds to restore the speed-limited mode.
Note: After the display is powered off and restarted, the speed limit will be automatically restored.

Switch the content of the multi-functional display area

Short press M to switch the value of the multi-function display area.

Set parameters: Long press the + − button to enter the parameter settings interface. The parameters that can be set include: backlight brightness, mileage unit, voltage level, sleep time, assist gear, wheel diameter, number of magnets, speed limit, zero-start and non-zero-start settings, drive method, assist sensitivity, assist start strength, assist magnet disk type, controller current limit value, and ODO reset settings;

In the settings interface, you can M switch between menu items + by − short pressing.

Short pressing allows you to set the parameter values under the M current menu. The parameters will flash after modification + . After − selecting the desired value, short pressing saves the current settings and moves to the next menu item. Long pressing + exits the settings. If the instrument remains inactive for 10 seconds, it will also exit the menu item.

Display and Setting

Settings

① **Enter the Settings:** when the display is on, press and hold the Up Key and the Down Key together to enter the Settings . Available setting items include: system voltage, wheel size (inch), magnetic steel number for speed gauge, speed limit etc (please refer to 4 .2 Setting Items) .

② **Adjust Settings:** on the Settings interface, press the Up Key or the Down Key to set values for items . The value will blink after change. Press the Mode Key to save the set value and switch to next item.

③ **Save and Exit Settings:** press and hold again the Up Key and the Down Key together to exit the Settings and save the set value. The system will save and exit automatically if there' s no operation for 10s .

P00	**Factory Reset:** optional.
P01	**Backlight Brightness.** 1 : darkest; 3 : brightest.
P02	**System Unit.** 0 : km (metric); 1 : mile (imperial).
P03	**System Voltage:** 24V/36V/48V/60V/72V .
P04	**Pedal Assist Level** 0-3 Level Mode; 1-3 Level Mode (no Level 0) 0-5 Level Mode; 1-5 Level Mode (no Level 0) 0-9 Level Mode; 1-9 Level Mode (no Level 0)

P05	**Wheel Size.** Unit: inch; Increment: 0.1.
P06	**Display Low Voltage Value .**
P07	**ODO Clearance.** Press and hold the Up key for 5 s and ODO value will be cleared.

Maintenance

Meaning of vehicle status codes

Status (Decimal)	Meaning of Status	Status (Decimal)	Meaning of Status	Status (Decimal)	Meaning of Status
E00	Normal status	E05	Real-Time Cruise	E09	Controller Error
E01	Reserved	E06	Low Voltage Protection	E10	Communications Error
E02	Brake Error	E07	Motor Error	E12	BMS Communications Error
E04	Walk Assist Mode	E08	Throttle Error	E13	Front Light Error

Battery

Use only the included battery.If the battery has been discontinued,immediately replace it with the recommended battery supplied with the electric motorcycle.

Battery charger

Use only the included battery charger.If the batteryis out of service,please immediately replace it with the recommended battery charger supplied with our electric motorcycle.

Wheels

Wheels and drive system components will age or wear normally.It is the user's responsibility to systematically check the wheels for excessive wear and to properly adjust and replace drive system components if necessary.

Spare parts

Most common spare parts are available through our distributors.

Troubleshooting

Questions	Possible causes	Solutions
The motorcycle won't start and run.	1.The battery is not fully charged 2.Loose or poorly plugged wires or cables	1.Fully charge.The first charge should be 12 hours. Charge time up to 8-9hours 2.Check that all cables are firmly plugged into the controller
The motorcycle cannot start and has a short running time.	1.The battery needs to be charged 2.The battery cannot accept a fullcharge 3.The rear tires are not properlyinflated	1.Fully charge the battery.The first charge should be 12 hours. The longest charging time is 8-9hours 2.Ensure power flow directionThe wall outlet is open Battery may need to be replaced. Even if the correct method is used, the battery will still be replaced;Rechargeable batteries will notlast forever. The average lifespan of rechargcable batteries is l to 2 years 3.Check if the tires are in place. If PS is correct, otherwise inflate the tires before riding.
The motorcycle can not run usually short travel distance.	1.The battery needs to be charged 2.The battery cannot accept a full charge 3.The rear tires are not properly inflated 4.Continuous driving at high speed 5.Frequent uphill riding or riding against the wind, frequent braking,heavy load	1.Fully charge the battery. First, the charging time should be 12 hours, with a maximum charging time of 8-9 hours. 2.Make sure the power flows to the wall socket. What batteries may require. Even with proper care,rechargeable batteries won't last Forever. The averagelifespan of rechargeable batteries is 1 to 2 years,depending on the conditions and usage of the motorcycle. 3.Check if the tires are installed correctly. If PSI is not, please inflate the tires before riding 4.Drive at medium speed. 5.Avoid frequent braking,starting or heavy loading

Troubleshooting

Questions	Possible causes	Solutions
Motorcycle runs slowly.	1.Brakes are not adjusted correctly. 2.Motorcycle is overloaded. 3.Frequent uphilldriving or driving against the wind,frequent braking,and heavy load. 4.Rear tires are not inflated correctly.	1.Adjust the appropriate tension and the brake can respond in time. 2.When using a motorcycle, the loading weight shall not exceed 80KG. 3.Avoid frequent braking, starting or heavy loading. 4.Check that the tires are at the corect PSI,if not, inflate them before riding
The motor is running when the motorcycle makes a noise.	1.Chain drying 2.Motorcycle is overloaded	1.Apply lubricant to the chain 2.When using a motorcycle,the weight shall not exceed 80KG

Note

Motorcycle's major components, such as battery cells, motors, chargers, and controllers, are labeled before delivery. Please note that major parts without labels are not covered by the warranty.

Warranty

The following situations do not fall within the scope of free after-sales service:

1.Consumables and wearing parts are not covered by the warranty: (tires and lines, entire brake system, plastic parts, brake cables and covers, etc);
2.Warranty parts that exceed the warranty period;
3.Damage caused by the user not strictly following the instructions.
4.Damage or quality problems caused by accidental impacts, collisions,and exposure to corrosive substances;
5.The purchase invoice is inconsistent with the warranty card.
6.Situations where unauthorized disassembly or modification results in damage to parts,or where the initial failure state is destroyed due to unauthorized disassembly or modification and technical assessment and analysis cannot be carried out.
7.Once a motorcycle has been scrapped, cosmetic problems must never be used as the basis for exchange or warranty. Please carefully check the appearance and confirm the surface quality when purchasing.
8.Damage caused by modifications made without the prior consent of our company or our authorized sales and service center.

Warranty period of main components of port electric motorcycle:

Part name	Waranty period	Exceptions	Note
Frame structure	12 months	Damage caused by strong intentional impact	But-of-warranty replacements will be charged at cost
Lithium-ion battery	12 months	According to the grade of the battery Degradation, avoid maintaining battery temperature at low speed charging. The degree of degradation is too low. See Long-term. Available Capacity. Charge at the following temperature:14F is the available 70% capacity, and 32°F is approximately 80%.Capacity 70"F is approximately 90-95%usable capaciy If the voltage is abnormal and it cannot be charged, a replacement warranty service will be provided. Discharge meter detects less than 70% of the available capacity.	Out-of-warranty replaements will be charged at cost

Warranty

Part name	Waranty period	Exceptions	Note
Controller	12 months	A warranty will be provided if Performance failure or quality problem due to product reasons that cannot be repaired	Out-of-warranty replacements will be charged at cost
Motor	12 months	Coil burn. Wheel hub damage caused by demagnetzation, short circuit, open circuit, abnormal noise, damage due to material damage, deformation, fracture, etc	Replacement outside the warranty period will be charged at cost price
Instrument panel (display)	6 months	In the event of performance failure or quality issues, a warranty will be provided	Out-of-warranty replacements will be charged at cost
Brake handle, Disc brake, acceleator pedal, Brakes, plastic parts, tires, LED lights, mud fenders,chains, tires, inner tubes, screws, bearings shock absorbers, Absorber, and other fast - wearing parts	Fast wear parts are not covered by warranty		Replacement parts. Not covered by warranty will be charged at cost price

The manufacturer guarantees that this product has no manufacturing defects within 90 days from the date of purchase.This limited warranty does not cover normal wear and tear,tires,cables or any damage,failure or loss caused by improper assembly, maintenance,storage or use of our motorcycles.

The manufacturer is not liable fo accidental or consequential loss or damage caused by direct or indirect use of this product. We do not offer extended warranties.

This limited warranty will expire if the produc is used for purposes other than entertainment or transportation.

Modify in any way

Contact Us

Contact us if you experience issues relating to riding,maintenance and safety, or errors/faults with your YOZMA

Tel. US: +1(866) 591-5099

Support Email : support.eu@yozmasport.com