



## Professional electric mountain bikes



### **MODEL: Enduro 48**

#### **Customer Service:**

Green Bike Electric Motion LLC

Address: 7057 Reseda Boulevard, Reseda, CA 91335.

Phone: (310) 254-6041 Email: [office@greenbikeelectric.com](mailto:office@greenbikeelectric.com)

Website: [www.GreenBikeElectric.com](http://www.GreenBikeElectric.com)

# **Instruction Manual**

Dear Client,

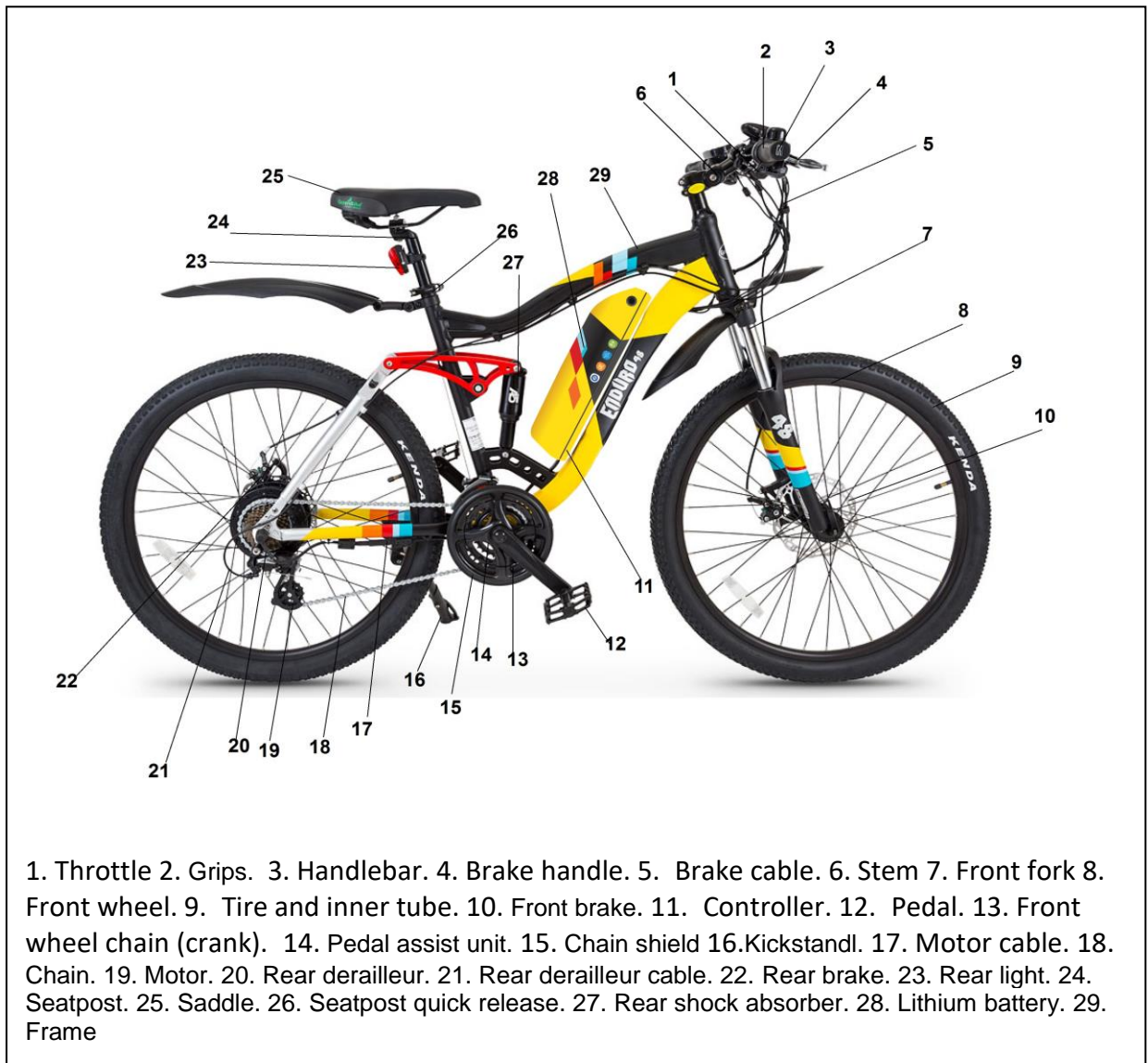
**Green Bike – Electric Motion** Congratulations on you're newly purchased  
Joining **Green bike's Go Green** revolution will open your doors to a whole  
new world of freedom! **Green Bike – Electric Motion LLC** greatly values the  
quality of our products, giving you value for your money, friendly and  
professional service, and safety for the rider above all else.

Please uphold the product-customer-importer relationship to ensure a  
quality experience over time. In this manual, you will find all the details  
required to maintain product care.

To ensure safety during riding and to maintain long-term usage experience,  
please read all instructions carefully before using the bike, and follow the  
specified maintenance and usage instructions.

Thank you for choosing **Green Bike – Electric Motion!**

## Picture of the location of bicycle parts:



- For your safety, obey traffic and signage instructions.
- Do not put additional people on the bike. The bike are intended to carry only one person.
- The height of the chair and handlebar should be adjusted for maximum comfort and control.
- In the seat post and handlebars there is a safety strip. Make sure it is not visible when adjusting. If the safety strip is visible the seat post/handlebars grip is not fixed.



- Be sure that the adjustment locking handles of the seatpost are in lock mode before starting the trip.
- Check the condition of the brakes regularly and fine-tune the brakes when necessary.
- Braking range on a dry road is 13 feet and on a wet road can reach to 45 feet. Keep braking range according to the road conditions and if the road is wet keep a greater braking range.
- The chain is properly adjusted and therefore no changes should be made. Be sure to lubricate the chain to prevent accelerated erosion.
- At nightfall, the front and back lights must be turned on by a switch. The flashlight and the wheels are equipped with rear light reflectors according to the standard requirement.
- Do not wear clothing and carry luggage or bags that can be caught in the wheels or chain, do not ride with high heels or clothing that is not suitable for cycling to keep the rider safe. Also, do not put your legs too close to the chain or wheels more than necessary.
- Do not ride in weather that does not allow safe riding such as rain, puddles, fierce winds etc.
- When stopping, use both brakes. The front and the rear too, do not rely on one brake. In order to maintain stability and achieve greater control.
- Do not ride under the influence of alcohol, drugs or medication that affect the rider's awareness.
- During the ride, hold the two handles, do not perform stunts and do not make reckless turns without examining the area on all sides before making the call. Local regulations must be followed.
- Do not drop the bike on the ground due to the sensitivity of the battery, motor and controller. They should be placed on the jack carefully.

#### **Before starting the ride**

- Insert the battery into place with an angle and lock it.
- Fold the side jack and sit on the chair, one foot on the pedal and the other on the ground.
- Now start pedaling and the engine will start running.
- Indicator: During the ride the battery will be discharged according to use and the battery meter will see its status in 5 bars on the digital display.

When the fifth and final markings flash, the switch must be closed and pedaled as a regular bicycle.

After recharging, you can drive again with the electric motor.

- Park in a safe place that is not an obstacle to vehicles or pedestrians. Place the bike on the jack, disconnect the power with the main switch and pull the key out of the lock.
- To prevent theft, it is recommended to lock the bike in a massive lock. It is recommended to lock the chassis with the rear wheel and take the battery.

### **Charging:**

- The battery must be charged only with the charger supplied with the bike. A lithium battery is charged only by a Charger designed to charge lithium batteries and not by a standard charger.

Charging with a different charger will damage the battery and will revoke the warranty on the battery.

Do not open the battery or charger for testing! Inspection shall be done only by an authorized laboratory on our behalf or in the importer's laboratory.

The charger is designed for 110 volts. Do not use it in countries where the voltage is different.

- Charging takes between 4-6 hours depending on battery status. The battery can be charged outside the bicycle but also on the bike.
- The charging cable must first be connected to the battery and then to an electrical outlet.
- When the indicator light is red, charging is performed.  
When charging directly on the bike, make sure the main switch is off.  
When the indicator light turns green, the battery is full and must be disconnected from the power source.  
When charging, the battery must be properly positioned and not fall or damaged.
- When the battery life is over, the battery should not be discarded but drop in a recycling point for lithium batteries **KEEP OUR WORLD GREEN.**
- Before beginning the ride, check that all the indicator lights are working and the battery is locked in place.
- Check that the electrical contacts of the battery are always clean. Clean with a dry cloth without moisture.
- Check regularly tire pressure. The correct pressure is 50 PSI in the rear wheel and 45 PSI in the front wheel depends on the weight of the rider. Improper pressure will also cause the battery to overuse and shorten the cycling time.
- Do not drive in puddles. If water enters the engine, the controller or the battery house, these parts may be damaged or get short circuit.  
Water travel will void the warranty provided by the manufacturer.  
The bike must be stored in a dry place. Overly humidity causes corrosion in the electrical parts. Do not leave the bike in the rain.
- Do not put the bike in the beating sun, especially if you leave the battery installed on the bike.

- Do not disassemble the electrical parts. Disassembling them independently will void the warranty provided by the manufacturer.
- Do not lubricate the electrical.

#### **Brake maintenance:**

- The brakes in this model are high-quality hydraulic disc brakes designed by Green Bike Electric Motion  
The left stop handle is responsible for braking the front wheel and the right stop handle is responsible for braking the rear wheel.
- Always check if the brakes are intact and are optimally tuned.
- If the brakes is not tuned and unnecessarily touches the wheel while driving, the power of the battery would be wasted in vain and the brake will wear out.
- Be sure to replace the brake pads before they are finished, because in such a situation metal touches the metal, the braking ability is damaged and the brake system is damaged.

#### **Bicycle cleaning**

- For maximum performance of the bike, it is recommended clean them of sand and mud. If you cannot clean the entire bike, you must clean at least the propulsion system (chain, front and rear gears).
- Cleaning frequency: once every three or four propound rides or after every ride where the bike gets dirty.
- You must have a bucket with water, soluble fats, a kitchen swab for washing dishes, rags, and a special brush with hard fibers.
- Never wet the electrical parts. Wet part can short circuit and will void the warranty provided by the manufacturer.
- Washing: wash all parts of the bike (except of the electrical system parts) using a sponge. The hard brush is for removal heavy dirt from the gears, pedals, etc.
- Drying: Dry the bike with the rags and place them in direct sunlight until full drying (preferably not washed at night or in stormy weather). Immediately after washing and drying, lubricate the chain. The brakes are recommended to be cleaned with a specialized material for it.
- When cleaning, be careful not to wet the electrical parts and cables. Do not spray on battery, controller, monitor and any wiring system, so do not use running water / hose.

## KH-DX-M1 : Ebike Display with thumb throttle



### Material

Caser and Cover: ABS

LCD window: PMMA

### Overview



#### 1. Manipulation:

Integrated with one thumb throttle for speed regulation Equipped with 3 press buttons to switch display content and make parameter settings

#### 2. Protocol:

This display uses UART protocol, throttle signal is sent by UART to controller


#### 3. Speed :

Real-time SPEED, MAX SPEED, Average SPEED

#### 4. Battery level:

Indicates the battery level in real time

**5. Light control:**

**ON/OFF :** Press  button for 3 seconds to switch on/off

**6. Assist level:**

From 1 to 3, press up or down button to change assist level (could be set to more levels)

**7. Distance:**

ODO/Trip/Ride time

**8. Error code:**

Please refer to appendix table 1 for definition

**9. 6km/h mode:**

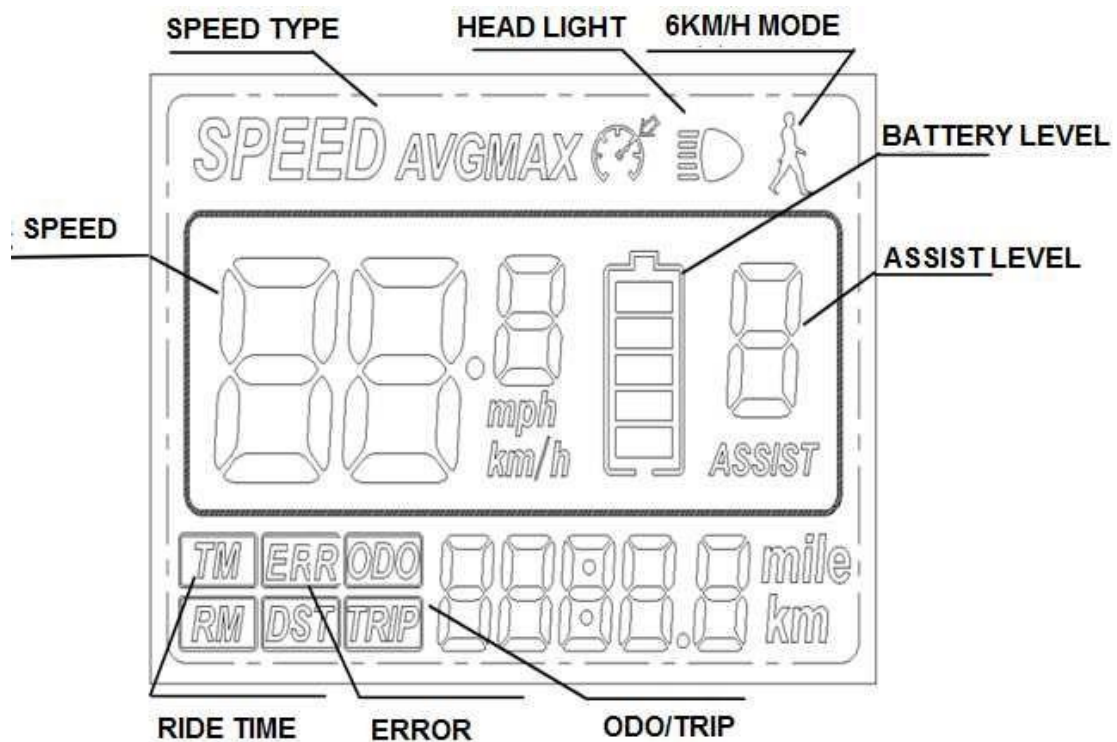
In this mode, it will display on the screen.

**10. Parameters setting:**



Set parameters, such as: wheel size, speed limit etc.

**Presentation of screen**





**Battery level:** 5 levels,

**Speed:** Average SPEED/MAX SPEED/Real-time SPEED

**Speed unit:** KMH/MPH

**6km/h walk mode:**



**Assist level:** assist level 1~3.

**Head light icon:** shows up when head light and back light are on.

**Distance:** Trip/ODO.

**Error code:** “ERR” and code show up when there is error.

## Operation instructions

It is equipped with 3 press buttons:



“UP”




“Power”





“DOWN”

### 1. Power ON/OFF

When the power is off, Long press  ( Power) during 3 Seconds, screen will display all contents and start to normal

working mode. When the power is on, Long press  ( Power) during 3 seconds, screen will be powered off. If no any operation both on bike and display during 10 minutes (time could be set), the display will turn off automatically, in this case, no power consumption for both display and controller.

## 2. Different Speed display:

Long press  and  Power switch different speed information, Real time speed (SPEED) → Max speed (MAX SPEED) → Average speed (AVGSPEED)

Real time speed




Average Speed



Max Speed



### 3. ODO/TRIP/ Ride time/Error Code

Short press  to switch ODO/TRIP/Ride time/Error Code Trip (Single trip distance)→ODO (Accumulated distance)→TM (Ride time)→ERR (Error Code)



Ride time



Error code





ODO




Trip

### 4. Assist level

Short press  or  to change assist level, default value is level 1




## 5. Light control


Long press  for 3 seconds turn on/off the head light and rear lamp



## 6. 6km/h mode





When the bike is stopped, long press , will enter 6km/h mode, the speed will be




4.5~7.5km/h according to different road conditions,  will show up on screen, long

press  again or short press to quit 6km/h mode. Long press or short press could be customized by clients.





## Parameters setting

When the display is powered on, long press  and , will enter parameter setting mode, in this mode, user can change parameter values. long press again  and  will quit parameter setting mode or no operation during 10s will also quit this mode.

In parameter setting mode, short press  /  will change parameter value, short press  will save current value **and switch to next parameter.**

- **P01-back light lightness:**

short press  /  will switch from 1 to 3, Level 3 is lightest. Level 2 is default value





Picture 14

- **P02-KMH / MPH:**

Short press  /  to Switch Kmh/MPH.





- **P03-Battery rated voltage:**

Short press  /  to switch 24V, 36V,48V, Default value is 36V.



- **P04-Auto shutdown time:**

short press  /  to switch from 0 to 60, it is the time (in minutes) to shut down the screen automatically if no operation, 0 means never shut down, Default value is 10 minutes



- **P05-Number of Assistlevels:**

Short press  /  to change level 0->1->2.

assistlevels :

**0:** 3 assistlevels



**1:** 5 assist levels

**2:** 9 assist levels



**P05=1 means 5 assist levels in total**

- **P06-Wheel size selection:**

short press  /  to switch wheel size, in inch, step: 0.1 inch



**Wheel size**



- **P07-Number of magnets for speed sensor:**

short press  /  to switch from 1 to 100.



Number of magnets for speed measure

- **P08-speed limit:**

short press  /  to set the speed limit from 0 to 100Km/h, 100 means no limit. In this e-bikes the controller is limited to 20 mph with throttle because the USA regulations.



Speed limit in km/h

- **P09-Non-zero speed start:**

short press  /  to switch from 0 to 1.

0: zero speed start, (you can use the electric assist start from 0 mph.)

1: non-zero speed start.

**Importer recommendation** : In order to extend the battery life time, it is recommended to start the trip with a mechanical pedal and then switch to the electric assist and not to start from 0



Start mode

- **P10-Driving mode selection:**



short press  /  to switch from 0->1->2.

0 : Assist mode (throttle does not work, only pedal assist);

1: Electrical driving mode(only throttle works, pedal assist does not work)

2: Both assist and Electrical driving mode (Not available if in zero speed start and electrical driving mode)



- **P11-assist sensitivity setting:**

short press  /  to switch from 1 to 24.





- **P12-assist starting power setting:**

short press  /  to switch from 0 to 5.



- **P13-Assist magnetic disc types:**

short press  /  to switch from 5->8->12 , different numbers of magnets in the disc.



- **P15-low voltage protection for controller :**



Low voltage protection  
for controller

- **P16-Reset ODO distance:**

long press  during 5 seconds.




Cleared to Zero



ODO reset to zero

- **P18-Reset all parameters:**

long press  5 seconds, when it displays "SSSS", all parameters reset to default values (except for the ODO distance).



"SSSS" means reset

## Specifications

Power supply: 24V,36V, 48V

Rated current: 10mA

Max current: 30mA

Leakage current after power off: <1uA

Current supply to controller: 50mA


Working Temperature : -18~65°C

Storage temperature : -30~80°C

## Notices

Power on and power off must keep an interval of at least 3 seconds,



Please don't press "  " button frequently when it is powered off. When the temperature is under -10°C, the screen will be a little darker than normal, when the temperature increases, the screen can go back to normal

## Warranty

1 year of warranty for quality issue except outside case is broken.

Table 1- Error code definition

When an error appears, display will notice users by different codes, please refer to table 1 for different codes :

Code(Decimal)	Signification	
0	Normal	
6	Low Battery level	
7	Motor error	
8	Throttle error	
9	Controller error	
10	UART receive error	
11	UART receive error	

For your one safety please wear a helmet!

No change shall be made to the bicycle without permission from the importer.








Such a change will result in the cancellation of the warranty.

Keep proper maintenance of bike:

- Strengthen the spokes once in 4 months in a certified workshop.
- Strengthen loose screws once a month.

You can access any authorized bicycle shop on our behalf to handle the electric bikes.  
For our authorized service points, please email [office@GreenBikeElectric.com](mailto:office@GreenBikeElectric.com)

### Component, dimensions and weights:

	Components:	Electronics:
Frame	6061 aluminum alloy	Engine: 350W without coal (brushless Hi Speed) brand products:  improved version
Type	Professional electric mountain bike	
Tiers	27.5"x2.1" made by <b>KENDA</b>	
Rims	100% double-sided aluminum	Controller (PAS): "Smart" controller - computerized with pedal assistance according to the European standard.  Rear brake running on gas A5 high quality model
Front brake	Green Bike Electric Motion Hydraulic Disc	
Rear brake	 brakes	
Manual gear transmission	21 Speed - 3x7 Shimano Altus Shimano Triggers on Right Bar 	
Front fork	aluminum 140 mm 27.5" manufacturer 	Battery: Lithium Li-On Battery 48V-10.4Ah 3C rate
Saddle	Manufacturer by 	Charger model SANS 48V 110V - 2AM/H Made by WUXI SANS ELECTRONIC CO.,LTD.
Headlight	LED lights	Rear led Flashlight
Mud shields	Manufacturer by <b>BIKEMAN</b>	<b>Performance:</b> Maximum speed: 20 mph with throttle A driving range per charge: for a person weighing 155 pounds in plane area is up to 31 miles. Subject to road conditions in standard ride without using the throttle Digital monitor with speedometer-distance-battery Net weight: 55 pound
Chain	Stained stainless steel  Easy Life Easy Ride!	
Pedal axis	Manufacturer by <b>NECO</b>	
Kick stand	Aluminum	

## **Common Problems and Solutions**

Problem 1: After turning on the main switch, the lights do not turn on and the bike does not move electrically.

Cause: The battery poles are not properly connected or a fuse is burned.

Solution: Check the battery contacts if they are dirty and should be cleaned. If the problem is not resolved, check the battery fuses.

Problem 2: After turning on the main switch, the lights turn on but the bike does not move with power:

Cause: Check if the wires coming out of the controller are well connected (only to be handled by an expert technician)

Solution: Make sure cable connections are stable and strong. If the problem is not resolved, check for a break in the wires coming out of the controller.

Problem 3: The motor rotates on its own after opening the main switch.

Cause: The controller is malfunctioning or there is a short circuit in the electrical system or disconnection of the wires.

Solution: If there is damage to the controller, contact the diagnostic service center

Problem 4: Engine power is low, travel distance is not satisfactory even after full charge

Cause: Tire pressure is too low. The pressure is 40-50 PSI and / or a large portion of the ride is on the rise or against the wind. The battery may be old and weak or a curved wheel is inhibiting the brake discs.

Solution: Add air to the tires to correct pressure and / or replace the inner tube. Check if the brake is on the wheel and release. Wheel balancing may be required in a professional workshop.

Problem 5: When charging the plug does not go into the outlet and / or the charging indicator light does not turn on.

Cause 1: there is no power supply from the power source at home due to the automatic fuse or power failure. b. The plug is not properly inserted into the socket.

Cause 2: The fuse is burnt or the charger is damaged.

Solution: Check the socket plugs connection; replace the power supply source to another outlet. If the problem is not resolved, bring both the charger and battery to the service center for diagnosis and repair.

Problem 6: The charger is connected to the battery but the indicator light is off.



Cause: 15-amp fuse of the battery house is burn

Cause 2: the connection to the battery outlet is improperly connected

Cause 3: The battery charger is damaged.

Solution: First try to connect the battery charger to a different wall outlet, after testing the power source (wall outlet) or replacing the charger, if the problem is not solved please contact by email [office@GreenBikeElectric.com](mailto:office@GreenBikeElectric.com)

**Remember:**

**Do not allow another rider on bike.**

**Disconnect the charger from the power source at the end of each charge.**

**Do not leave a bike / battery charging unattended.**

**The bike is a vehicle – Ride wisely and carefully**

**Always at your Service!**



**Dear Client,**

**Green bike – Electric Motion.** welcomes you on the purchase of the model Enduro 48 electric bicycle.

We happy to be at your disposal for maintenance and fulfillment of manufacturer's warranty if necessary. Please carefully read the following warranty conditions.

The warranty provided by **Green bike – Electric Motion** is a comprehensive warranty for all mechanical assemblies and all electronic components of the bike provided that the fault is caused by reasonable use and the bicycle is maintained according to the user manual alone.

Please consider the following-

\* The warranty will enter into force only after "activation" on the company's website, while filling in all the details as explained on the web page [GreenBikeElectric.com](http://GreenBikeElectric.com) within 30 days of purchasing the bicycle.

\* The warranty for the frame, motor controller and the battery is 12 months.

**The warranty is contingent on the existence of a warranty certificate signed by the store where it was purchased with a purchase receipt stating the serial number of the frame and battery.**

\* The warranty will be canceled if electrical or mechanical changes are made without the written permission by a certified **Greenbike- Electric Motion** technician, including battery replacement / opening, or change in any other component.

\*The warranty will be **canceled** if the use is unreasonable and not in accordance with the instructions: in the event of a crash due to accident or fall, in the event of neglect of the maintenance required, in case of natural damages, in the event of exposure of the bike to humidity or heat without adequate protection from rain, mud and direct sunlight.

\* The warranty will be canceled if a non-original charger is used to charge the battery.

\* The warranty for the components of the electrical system will be void if mechanical condition resulting from poor use or maintenance or the manner of use contributed to the load on the electrical system. (Eg ... a curved or broken wheel)

**\* Green bike - Electric Motion is not responsible for any damage caused to a third party as a result of the use of an electric bicycle or any damage caused to the rider as a result of an accident or use contrary to the instructions of the User's Guide, including indirect damage or expenses incurred by the cyclist .**

Further Clarification of the Warranty

\* The warranty does not include the maintenance, direction or replacement of parts resulting from reasonable wear or use of bicycles. Including internal replacement in the event of a flat tire, worn tire, pads, cables, a disc brake or any other part whose wearout results from wear and tear.

\* The warranty does not include the replacement of a part or repair resulting from external trauma or a fracture resulting from an accident or a fall, including , pulling cables from the electrical components, abrasion of the power cord, short circuit from the national electrical system . Or any damage caused by an external blow

\* **Green Bike- Electric Motion** reserves the right to decide whether to replace the damaged part with a new or renewed one at its discretion.

\* **Green Bike- Electric Motion** reserves the right to cancel liability and refuse to provide service in the following cases:

- If the customer refuses to perform maintenance or repair that may endanger the rider including a paid repair (eg brakes)

- **In any case of verbal violence or other violence against a Greenbike – Electric motion employee or distributor**

The warranty is given at **Greenbike- Electric Motion** workshop only or at a authorized workshop approved by Green Bike – Electric Motion , during the hours of operation, according to the work procedures, response times and pricing available to the customers in the website : [www.GreenBikeElectric.com](http://www.GreenBikeElectric.com) . The responsibility for transporting the bikes to the workshop and returning to the customer's home is the customer's responsibility only and at his own expense

**For any questions or requests for clarification or reporting, please contact us:**

Green Bike – Electric Motion LLC

Main Office: 7057 Reseda Boulevard, Reseda CA. 91335.

Phone: (310) 254-6041

Email: [office@GreenBikeElectric.com](mailto:office@GreenBikeElectric.com)

Website: [www.GreenBikeElectric.com](http://www.GreenBikeElectric.com)

## **Warranty**

To: **Green Bike – Electric Motion LLC**

I hereby inform you that I purchased an **enduro 48**

In the shop \_\_\_\_\_ Street and number \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Invoice No. \_\_\_\_\_ Date of purchase \_\_\_\_\_.

Serial number of the bike (the number is stamped under the handlebar)  
\_\_\_\_\_ (last 7 digits)

Serial number of battery \_\_\_\_\_ (last 4 digits)

I will ask you to activate for me the warranty for the bike I purchased

Buyer Name \_\_\_\_\_ Family Name \_\_\_\_\_

\_\_\_\_\_ Cell \_\_\_\_\_

Email \_\_\_\_\_

**I confirm that I received a safety and maintenance briefing and that they gave me a 'User's Manual'.**

**I confirm that I have read the manual. Customer's signature**

\_\_\_\_\_

**Thanks for joining the green revolution of Green Bike Electric Motion.**



[www.GreenBikeElectric.com](http://www.GreenBikeElectric.com)