

RIDSTAR[®]

E-BIKE USER MANUAL

ATTENTION

Please read this manual carefully before using the Ridstar electric bicycle. If you do not understand this manual, or if you do not solve the issues covered in this manual, please contact the seller.



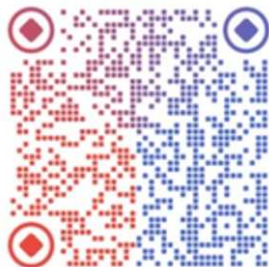
WELCOME TO RIDSTAR

THANK YOU FOR CHOOSING RIDSTARE-BIKES

Welcome to your Ridstar E-bike you are entering a new world of ease,luxury,and mobility. Whether you're looking for an environmentally friendly alternative to your regular gas-powered vehicle,a fun way to avoid traffic congestion,or Simply want to spend more time outdoors,we hope you enjoy your new E-bike.In a life full of headwinds and tailwinds,it is our honor to be wind at your back.

If you have any questions or comments
pleasedon't hesitate to contact us:

Email: 2096292939@qq.com



Thank you for your attention and purchase!
Scan the QR code to watch the unboxing
video for the Ridstar ebike

BIKE IDENTIFICATION NUMBER / SERIAL NUMBER

FOR YOUR RECORDS

For future reference , please fill in the important information below . Your serial number can be found on the inward-facing surface of the frame seat stay or on head top tube.

Please retain your sales receipt for any possible warranty or loss claims.

MY RIDSTAR SERIAL NUMBER :



FOR YOUR RECORDS

MY RIDSTARE-BIKE

Name

Address

Purchase
Date

Purchase
Channel



**RIDSTAR
WEBSITE**

Model

Color

Serial #

RIDSTAR E-BIKES**TABLE OF
CONTENTS**

| | |
|---|-----------|
| ABOUT THIS MANUAL | 05 |
| IMPORTANT SAFETY INFORMATION | 06 |
| OPERATIONAL INSTRUCTIONS | 09 |
| COMPONENT INSTALLATION NOTES | 13 |
| | |
| RECHARGING THE BATTERY | 19 |
| BATTERY AND CHARGER CARE | 21 |
| GEARS | 22 |
| | |
| LCD DISPLAY & KEYS | 23 |
| | |
| BRAKES | 25 |
| TIRES&INNER TUBES & APPEARANCE | |
| RIDSTAR E-BIKES FAQ | 26 |
| INSPECTION AND MAINTENANCE | 28 |
| WARRANTY | 30 |

01 ABOUT THIS MANUAL

This manual was written to help you get the most performance, comfort, enjoyment, and safety when riding your new Ridstar E-bike. The manual describes specific care and maintenance procedures that help protect your warranty and ensure years of trouble-free use. Please pay particular attention to the section on battery charging and maintenance.

It is important for you to understand your new Ridstar

E-bike, its features, and its operation, so you get maximum enjoyment with maximum safety. By reading this manual before you go out on your first ride, you'll know how to get the most from your new Ridstar E-Bike.

It is also important that your first ride on a new Ridstar E-Bike is taken in a controlled environment, away from cars, obstacles, and other cyclists.

02 IMPORTANT SAFETY INFORMATION

Cycling can be a hazardous activity even under the best of circumstances . Proper maintenance of your Ridstar E-bike is your responsibility,as it helps reduce the risk of injury.This manual contains many warnings about the consequences of failure to maintain or inspect your

Ridstar E-bike Improper use could result in se-rious injury or death.

We recommend you use a trusted professional bike technician to assemble your Ridstar E-Bike.

IMPORTANT SAFETY INFORMATION

A.ALWAYS WEAR A HELMET

Helmets significantly reduce the number and severity of head injuries. Always wear a helmet that complies with your state laws when riding your Ridstar E-bike. Check with your local police department for requirements in your community. Make yourself more visible by wearing bright reflective clothing. Keep your reflectors clean and properly aligned. Use head and tail lights in reduced lighting conditions. Wear sturdy shoes and eye protection. Also check your state laws concerning other protective gear that may be required when riding your Ridstar E-bike.

B.KNOW YOUR RIDSTAR E-BIKE

Your new Ridstar E-bike incorporates many features and functions that you may be unfamiliar with. Read this manual thoroughly to understand how those features enhance your riding pleasure and safety .

C.RIDE WITHIN YOUR LIMITS

Take it slow until you are familiar with the riding conditions, as traction can be greatly reduced and brakes become less effective . Never ride faster than conditions warrant or beyond your riding abilities. Remember that alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgement and ride safely.

D.KEEP YOUR E-BIKE IN SAFE CONDITION

For your safety and enjoyment, and to ensure a long life for your Ridstar E-bike, inspect and maintain your E-bike regularly. Follow the inspection and maintenance guidelines throughout this manual. Check critical safety equipment before each and every ride.

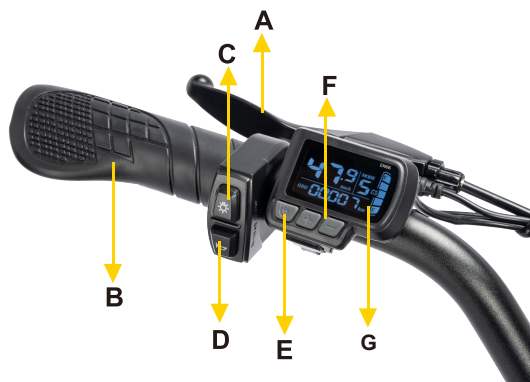
| COMPONENT OR CONDITION | INSPECT BEFORE EVERY RIDE | INSPECT PERIODICALLY* | CLEAN AND/OR LUBRICATE | ADJUST/TIGHTEN | REPAIR/REPLACE IF NECESSARY |
|------------------------------------|---------------------------|-----------------------|------------------------|----------------|-----------------------------|
| Tire pressure | X | | | X | |
| Tire wear / damage | X | | | X | |
| Brake pad adjustment | X | | | X | |
| Wheel quick release adjustment | X | | | | X |
| Head and tail lights | X | | | | X |
| Controls and displays | X | | | | |
| Seat post quick release adjustment | X | | | X | |
| Brake pad wear | | X | | | X |
| Brake cable tension / wear | | X | | X | X |
| Spoke tension | | X | | X | |
| Wheel true | | X | | X | |
| Hub bearings | | X | X | X | |
| Chain lubrication | | X | X | | |
| Deraillleur adjustment | | X | X | X | |
| Reflectors | | X | | | X |
| Battery and charger | | X | | | X |
| Headset adjustment | | X | X | X | |
| Bottom bracket adjustment | | X | X | X | |
| All bolts , nuts mounting hardware | | X | | X | X |

*Every 5 to 10 rides depending on length and conditions of ride.

03 OPERATIONAL INSTRUCTIONS







LEFT HANDLEBAR

A

L/brake Lever

B

Left Handlebar Grip

C

Headlight Button

D

Horn Button

E

Power Button

F

Speed Control Button

G

LCD Display

RIGHT HANDLEBAR

A

Rear Derailleur Shifter — by pressing the button while pedaling, you can increase gears from 1 to 7. The shifter is labeled with the corresponding gear selection.

B

Rear Derailleur Shifter — by pressing the lever while pedaling, you can decrease gears from 7 to 1. The shifter is labeled with the corresponding gear selection.

C

R/Brake lever

D

Handlebar grips

E

Throttle

F

Power Switch



04 COMPONENT INSTALLATION NOTES



PART 1: REMOVE PACKAGING



01

Unpack your Ridstar electric bike.



Installation tools



03

Remove front wheel.

PART 2: HANDLEBAR ASSEMBLY



01

Loosen the riser sides A, B screws
Before installation, pay attention to the front
and rear brakes always on the same side



02

Rotate the riser 180°



03

Tighten the side A, B screws



04

Remove front 4 bolts from stem cover them
remove stem cover



05

Mount handlebar onto stem, then replace
stem cover and tighten all 4 bolts



06

Adjust handlebar according to your needs,
then ensure all bolts are tightened firmly

PART 3: HEADLIGHT & FRONT WHEEL ASSEMBLY



01

Remove the bolt from the headlights , then adjust the headlights and front bezel to the correct position and tighten the bolts



02

Turn the bike upside down
Adjust the height of the seat and rotate the angle of the dashboard to avoid direct contact with the ground



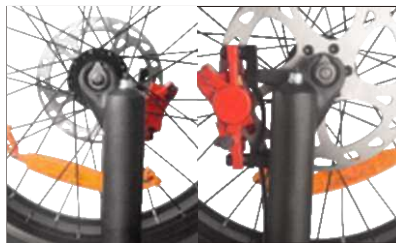
03

Remove the fork protector
A : The protective shaft can be removed and thrown away



04

Put the wheel in the front fork
Disc brake disc alignment clamp card slot



05

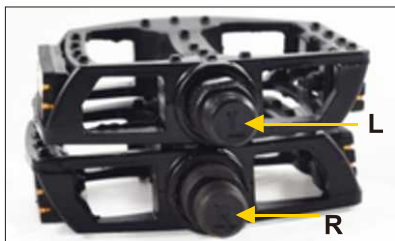
Install shim and nuts on both sides of the wheel
then tighten it with the installation tools.



06

As shown in the picture above, the front tire has been installed.

PART 4: PEDAL AND SADDLE MOUNTING & DIRECTION ADJUSTMENT



01

Determine the left and right pedals.
 "L" means the left side is mounted on the crank
 "R" means the right side is mounted on the chainring



02

"L" pedal is fixed counter clockwise to the crank



03

"R" pedal is fixed clockwise and fixed on the chain-ring



04

Stand in front of the wheel and face the wheel and handlebar at the "T" angle And relock the screw

PART 5: REMOVING THE BATTERY AND STARTING THE EBIKE



01

When opening the lock, please note that the lock cylinder has been fully retracted, then pull the key



02

Easily remove the battery



01

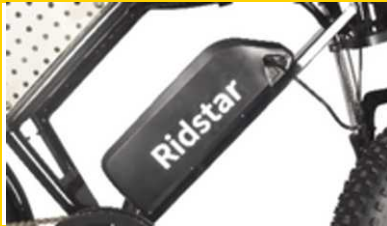
Turn on the switch next to the right handlebar with the key (twisting clockwise is on, twisting counterclockwise is off).



02

1. click "U" button next to the left handlebar until you hear ticking sound (if you skip this action, may lead to failure to start), and then Press and hold the "S" button next to the left handlebar to complete the start,
2. Turn the throttle to ride.

05 RECHARGING THE BATTERY



A. Recharge the battery on E-bike directly



B Remove battery from the E-bike and recharge separately

RECHARGING THE BATTERY



ATTENTION

Connect the battery first, then connect the power supply and make sure the red LED of the charger is lit. The charger will charge the completed battery within 3 to 7 hours.

A red light indicates that the battery is charging. A green light indicates that the battery is fully charged.

06 BATTERY & CHARGER CARE

If the battery will not be used for an extended period of time, charge it fully and recharge it every 2 months.

Store in a cool, dry place, Recharge the battery before it becomes completely discharged.

Do not use it to power other electrical devices. Improper use of the battery will damage the battery and shorten its useful life and may cause fire or an explosion. If you experience unusual sounds or odors coming from the charger or the battery, unplug charger immediately and contact Ridstar customer service.

Recharge battery after every use.

Do not disassemble or alter the battery or battery charger.

Do not place the battery near fire or corrosive substances.

Do not allow any liquids on or inside the battery/charger.

Do not expose the battery/charger to extreme weather conditions.

Do not operate the battery/charger if damaged. Re-charge the battery only with a charger specified by the manufacturer.

Do not use the battery/charger for any use other than its intended purpose.

07 GEARS

Your Ridstar E-Bike is equipped with multiple speeds. The first gear is for easier and uphill pedaling, and the last gear is for maximum speed on level or downhill terrain. Change gears only while pedaling. The rear wheel contains seven chain sprockets (depending on model). When the chain is around the largest sprocket, you are in 1st gear, or the lowest gear. The high gear will have the derailleur positioned so that the chain is directed around the smallest gear. Every

position on the gear selector should cause a gear change, adjustments require fine tuning and should only be made by qualified technician.

Avoid changing gears very rapidly from first gear to the last gear or vice versa. If you change multiple gears too quickly, you could cause the chain to come off the sprocket.

08 LCD DISPLAY

Power Assist System Modes(PAS)

PAS 0:Manual riding,pedal assist model
and throttle do not have power

PAS 1:Low speed level,12-16 KM/H (7.5-10mph)

PAS 2:Medium speed level,19-23 KM/H(12-14mph)

PAS 3:High speed level,26-30 KM/H (16-18.5mph)

PAS 4:Very high speed level,32-37 KM/H(20-23mph)

PAS 5:Maximum speed level,40-45 KM/H(25-28mph)

The speeds listed here are only for reference,
Actual speeds will be affected by rider's weight,
temperature,road situations,incline,battery status,etc.



VEHICLE STATUS DISPLAY AREA

Vehicle Status Code Meaning

| Status Code | State Meaning | Remarks |
|-------------|---------------------------------|---------|
| E00 | Normal | |
| E06 | Battery under voltage | |
| E07 | Motor failure | |
| E08 | turn malfunctioning | |
| E09 | Controller failure | |
| E10 | Communication reception failure | |
| E11 | Communication dispatch failure | |

SETTING

P01: Backlight brightness, level 1 darkest, level 3 brightest;

P02: mileage unit, 0: KM; 1: MILE;

P03: Voltage level: 24V, 36V, 48V, 60V, 64V default 36V;

P04: Dormancy time: 0, not dormancy; Other numbers are dormancy times, range: 1-60; Unit minutes;

P05: Help file bit: 0, 3 file mode:1,5 gear mode;

P06: Wheel diameter: unit, inch; Precision: 0.1; This parameter is related to the meter display speed and needs to be entered correctly;

P07: Speed gauge magnetic steel number: range: 1-100; This parameter is related to the meter display speed and needs to be entered correctly;

If it is an ordinary hub motor, direct input of magnetic steel; If it is a high-speed motor,

it is also necessary to calculate the deceleration ratio, and the input data = the number of magnetic steel × deceleration ratio;

For example: number of motor magnets 20, deceleration ratio 4.3: input data is: $86 = 20 \times 4.3$

P08: Speed limit: range 0-100km / H, 100 means no speed limit, The input data here represents the maximum operating speed of the vehicle: for example, input 25, indicating that the maximum operating speed of the vehicle will not exceed 25km/h; Drive speed maintained at set value,

Error: ± 1 km/h; (Speed limit for power and steering)

Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles, the speed value of the display interface automatically converts to the correct mile value, but the speed limit value set at this menu under the mile interface is not converted.

Is inconsistent with the actual speed limit of the mile speed; Note: P09-P15 menu is only valid in communication state

P09: zero start, non-zero start setting, 0: zero start; 1: Non-zero start;

P10: The drive mode is set to 0: Power Drive(how much power is output is determined by the power file bit, and the switch is invalid).

1: Electric drive(by turning the handle drive, when the power file bit is invalid).

2: Power Drive and Electric Drive Coexistence

P11: Help sensitivity setting range: 1-24;

P12: Help start intensity setting range: 0-5;

P13: Power Magnetic Steel Disk Type Setting 5, 8, 12 Magnetic Steel Types

P14: Controller limit value set default 12A range: 1-20A

P15: Controller undervoltage

P16: ODO zero setting length press key 5 seconds ODO zero

P17:0: No enabling cruising, 1: enabling cruising; Automatic cruise optional(valid for protocol 2 only)

P18: Display speed ratio adjustment range: 50 % ~ 150 %,

P19: 0 power bit, 0: 0, 1: does not include 0

P20:0:2 Protocol 1:5 S Protocol 2: Standby 3: Standby

09 KEYS

*Your Ridstar electric bike comes with one or two sets of keys

* Ignition key

* The key to the battery holder under the bicycle frame

WARNING

Keep out of reach of children, Always keep your keys in a safe place to avoid losing them.

10 BRAKES

It's important to your safety that you instinctively know which brake lever controls which brake. On your Ridstar E-Bike, the right brake lever controls the rear brake. The left brake lever controls the front brake.

Your Ridstar E-Bike is equipped with disc brakes for maximum reliability. Applying hand pressure to the brake levers will cause the wheel brake to create friction against the brake disc, slowing the wheel. The faster the E-Bike will come to a stop.

The rear brake should always be applied before and while the front brake is applied. Applying only the front brake to slow or stop at high speeds may result in the rider being ejected from the saddle and continuing forward over the handlebars. It is best to apply even pressure to both brake levers when slowing or stopping.

Bicycles equipped with disc brakes will occasionally make a slight scraping noise when the wheels are turning without the brakes being applied. This is normal.

Make sure that the brake lever does not contact the handle bar when full hand pressure is applied (figure 1). If so, then the brakes must be adjusted by increasing the tension on the cable.

A quick adjustment may be made by screwing or unscrewing the threaded barrel adjuster on the brake lever until the brakes are fine-tuned for safe stopping (Figure 2). If the brakes are still not operating correctly, they may require further adjustment by an experienced bicycle mechanic.

WARNING

* Disc brake rotors become hot during use. Do not touch or come in contact with the disc rotor shortly after use.

* Wet weather will require a longer distance to stop brake earlier and avoid sudden stops when riding in wet conditions.



FIGURE 1



FIGURE 2

11 TIRES & INNER TUBES

Tires should not be deflated unless necessary. To minimize tire wear and for maximum riding safety, comfort, and handling, maintain recommended tire air pressure. This can be found on the side wall of all tires. Use a reliable tire air

pressure gauge to check for proper inflation before every ride. At the same time, inspect tires for excessive wear and cracks. Replace tires if necessary.

12 APPEARANCE

Clean your Ridstar E-Bike regularly with a damp cloth. Avoid spraying the Ridstar with a water hose to avoid electrical issues. Store your Ridstar in a dry, sheltered place away from direct sunlight and wet or damp environments.

13

RIDSTAR E-Bikes FAQ

Q. How long does it take to fully charge the battery?

A. It depends on the state of depletion, but around 3-6 hours if completely discharged.

Q. Can I ride up hills and against strong headwinds on my Ridstar electric bike?

A. Yes, One of the main advantages of cycling on a Ridstar electric bicycle is that it flattens hills and increases your average speed when tackling inclines and headwinds. If you provide a reasonable amount of effort, you should be able to tackle anything from a 10% gradient up to a 14% gradient. You will be amazed at the relative ease with which your new Ridstar electric bike can tackle some of the most arduous journeys.

Q. Do I have to pedal an electric bike?

A. No, but it helps to prolong battery life. The motor on our bikes is both throttle and pedal assist controlled, allowing you to decide how much power you desire. Have you ever tried to cycle when speeding downhill on your normal bicycle? It's just like that. The motor is propelling you faster than you're cycling, so there is pretty much no resistance. It's merely a formality!



Q. What happens when I use the brakes under powered assistance?

A. All of our bikes are equipped with brake levers that have a built-in safety switch that automatically cuts off the motor power under normal braking conditions. This not only ensures a safe unpowered stopping feature, but also protects the motor under braking conditions so that it isn't working against the brakes.

Q. How far will Ridstar take me?

A. This all depends on a few factors. Cycling with pedal assist along a straight road under normal conditions, the standard battery should last about 40-60 km. Cycling up steep hills will obviously take more energy out of the battery and factors such as road surface, wind resistance, weight of the rider and tire pressure will affect your range.

Q. What happens if I get a flat tire?

A. The tires on our bikes are the same as conventional bicycles. Simply replace the tube with a tube of the right size and inflate it. No special tires or parts will be needed.

Q. How do I know when the battery is low?

A. The E-bike have easily visible indicators located on the right handlebar or LCD screen that show the amount of juice left. If it is getting low and you don't think you will make it to your destination, you can switch off your motor and keep it just for the difficult bits.

Q. Do I have to wait for the battery to empty before I charge it?

A. No. The batteries we use are Lithium-ion batteries which do not suffer from 'memory effect'. This means that there is no need to discharge a battery completely before you recharge it again. You can partially recharge the battery at any time without reducing its voltage or lifespan. We recommend recharging the battery after every use, regardless of how far you ride.



14

INSPECTION & MAINTENANCE



Hand brake cut-off power

When your bike is equipped with brake cut-off power set, the bike will automatically cut off power when the brake is used.

Low voltage protection

When the battery output voltage reaches its limit, the electronic control system will cut off the power to automatically protect the battery. When the battery reaches its minimum voltage, you can switch to pedal riding. The battery should be recharged before riding again.

Power off

When your E-Bike is not in use, please turn off the power.

Charge indicator

Red indicates charging, green indicates that the battery is full.

Note: The battery switch must be turned off using the switch on the bottom when the battery is charging. The battery must be fully charged before the first use. We recommend you charge the battery for a full 6 hours after your first 3 uses. If the bike is not used for a long time, you should fully charge and remove the battery. While not in use, keep the battery turned off and recharge every 2 months.

Make sure to keep the battery and charger away from children during charging.

Do not attempt to disassemble or modify the battery or charger.

Do not use the battery or charger for any use other than its intended purpose.

Battery charging

Plug in the connector between the charger and the battery, then plug the charger into an electrical outlet. The LCD indicator on the charger will show red, which means charging. When the indicator light turns green, the battery is fully charged. When you are finished charging, first unplug the charger from the power supply, and then unplug the connector between the battery and the charger.

During the charging process, the charger and battery should be placed in a stable and cool place. The battery operating temperature range should be between 32 and 110 degrees Fahrenheit. Do not put any cover on the battery or charger. Make sure that no liquid comes into contact with the charger.

Mileage

Performance of electric bicycles is affected by road conditions, rider/load weight, and weather conditions. We recommend that you manually pedal as often as possible to improve your travel distance and battery life

Inclines

When riding uphill on an incline of 15 degrees or more, we recommend using the pedal to assist your climb.

Cleaning

When cleaning your electric bicycle, wipe with a dry or damp cloth, do spray directly with a hose. Do not put oil on the front brake.

The seat tube should be cleaned and lubricated if necessary.

Parking

Please make sure your Ridstar E-Bike is parked in a stable place and the kickstand is used.

BASIC MAINTENANCE

1. To ensure that your E-Bike is in the best condition, maintain and clean regularly.

2. Regularly check that the tires are inflated correctly.

3. Make sure that quick release, nuts and bolts are tightened.

4. After a period of riding, check that the spoke tension is normal. Adjust as needed.

5. The frame and other parts are made of aluminum alloy. Avoid friction or collision and clean it regularly.

6. Do not take apart the motor, battery, or controller yourself. If necessary, take your E-Bike to a professional bicycle technician for repairs.

7. Do not use high-pressure water to clean your E-Bike. Keep water away from the controller, battery and motor.

8. Lubricate the chain, flywheel, head parts, kickstand, etc. when necessary.

15

WARRANTY CERTIFICATE

Important

Ridstar warranties against manufacturer defects for all of our regular electric bikes and parts except accessories.

The warranty period begins on the delivery date within twelve (12) months.

Please note this warranty only covers the initial purchaser and DOES NOT cover accessories.

Validity

The warranty is valid only when:

- a) The Product is purchased from Ridstar authorized dealers or outlets.
- b) The Product is NOT transferable to any third party either in ownership or during the period of contract.
- c) The model and serial label should not be defaced or removed from the Product.

Exclusion

- a) Damage or loss caused by modification, alteration, or repair by any unauthorized party.
- b) Damage or loss caused by mishandling by the customer or person(s) with access to the product on the customer's premises.
- c) Normal wear and tear.
- d) Damage or loss caused by Acts of God or any other causes beyond Ridstar control.

- e) Damage or loss as a result of external bodies.
- f) Damage or loss caused by another device that is connected to the Product.
- g) Damage resulting from accidents, misuse, abuse, tampering, or failure of the customer to follow normal operating procedures outlined in the user manual.
- h) General maintenance and servicing.

Ridstar E-Bike Warranty

In the rare case that your E-Bike arrives and does not work, In order to honor the warranty the following must be followed:

- If your E-Bike is received with a defect, Ridstar will take care of the shipping fees (at Ridstar instruction) and immediately ship replacement equipment or repair the equipment.
- If your E-Bike is in need of return, the owner must contact Ridstar. will receive a Return Authorization (RA) Number and all of the necessary information. Ridstar will not accept returns without an RA.
- All returns must be properly packaged to prevent damage during shipment. An explanation of the problem or damage and a proof of purchase must be submitted with the return which will be shipped by the owner.
- The RA number must be clearly visible.
- The owner will be responsible for insurance of the merchandise (at owner's cost) because Ridstar will not be responsible for damages or losses during shipment.

The warranty is void if: The damages are a result of an accident, abuse, alteration, non-authorized usage, or use of electricity other than that indicated in this manual.

The warranty is void if: The owner or user neglected to do routine maintenance required and the damages or problems are directly related to such neglect. It is the user's responsibility to keep the E-Bike in proper condition.

Certain parts of the equipment are not covered by the lankeleisi warranty due to the fact that they require replacement after multiple uses. For example: buttons, pedals, seats, tires, etc. These parts will eventually require replacement at the owner's cost.

The manufacturers will not be held responsible for damages or monetary losses related to the purchase or use of their products. Ridstar denies responsibility for all physical and moral damages linked to the purchase and use of their products. In all cases, the damages can not exceed the purchase price paid by the initial owner.

The final decision to honor the warranty is taken by Ridstar personnel after a technical inspection when the owner returns defective products.

The warranty excludes:

1. Replacement and shipping costs of products worn out by normal use.
2. Replacement and shipping costs of products due to problems related to neglect, abuse, or lack of maintenance.

Warranties are NON-TRANSFERABLE.

Product Data

E-Bike Model: _____

Serial Number: _____

Purchase Date: _____

Order Number: _____

RIDSTAR[®]

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