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 RIDSTAR E-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 head-winds 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 RIDSTAR E-BIKE

Name

Address

Purchase Date

Purchase Channel

RIDSTAR WEBSITE

Model

Color

Serial #

RIDSTAR E-BIKES

TABLE OF CONTENTS

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 study shoes and eve rotection.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 red uced 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 safety.

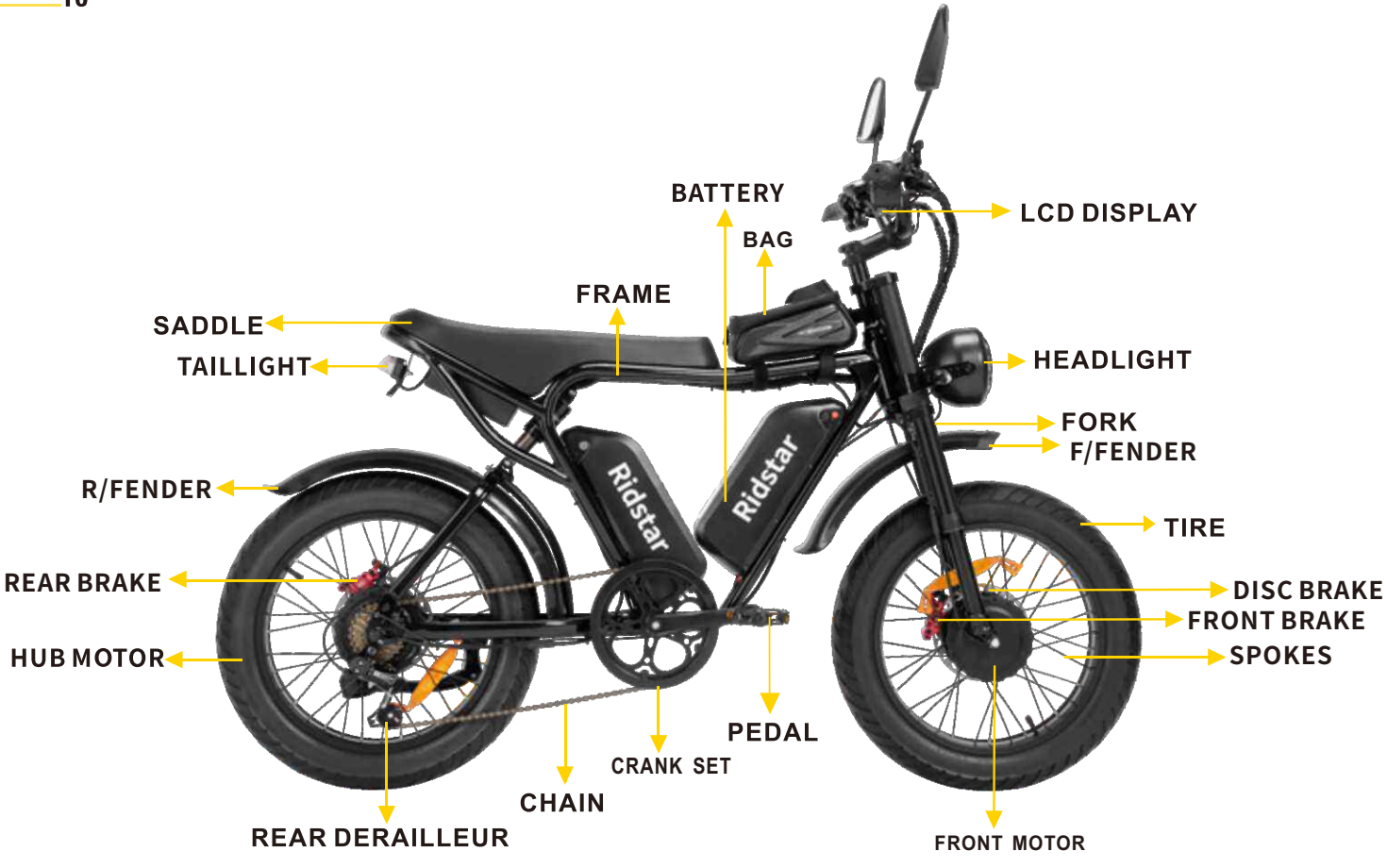
D.KEEP YOUR E-BIKE IN SAFE CONDITION

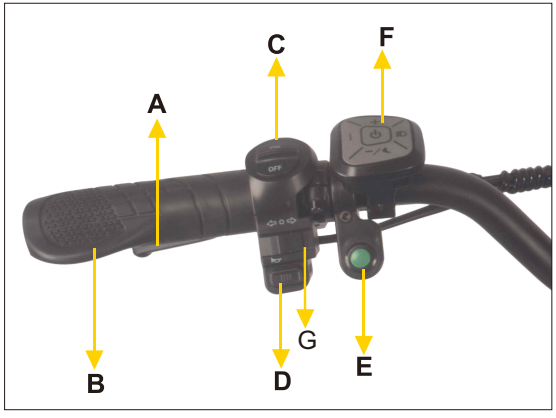
For your safety and enjoyment,and to ensure a long life for your Ridstar E-bike,inspect and maintain your E-bike regularly.
Follow the inspection and maintenance guidelines throughout this manual.Check critical safety equipment before each and every ride.

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		
Derailleur 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


BATTERY
LCD DISPLAY
BAG
FRAME
SADDLE
HEADLIGHT
TAILLIGHT
FORK
F/FENDER
R/FENDER
TIRE
REAR BRAKE
DISC BRAKE
FRONT BRAKE
HUB MOTOR
SPOKES
PEDAL
CRANK SET
CHAIN
REAR DERAILLEUR
FRONT MOTOR
Ridstar
Ridstar



LEFT HANDLEBAR

A

L/brake Lever

B

Left Handlebar Grip

C

Front Motor Change-over Switch

D

Horn Button

E

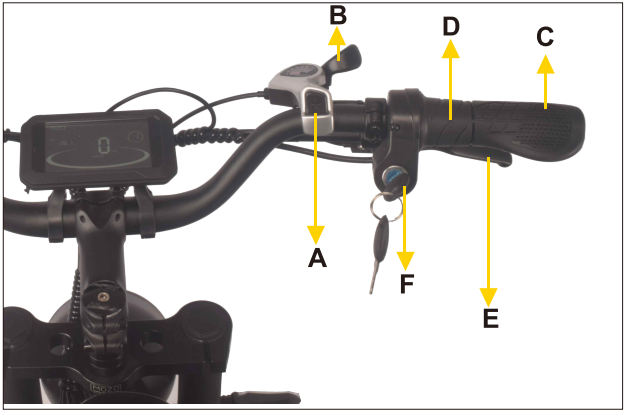
Rear Motor Change-over Switch

F

Turn on/off Switch

G

Change-over Switch



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

Right handlebar grips

D

Throttle

E

R/Brake lever

F

Power Switch

04 COMPONENT INSTALLATION NOTES

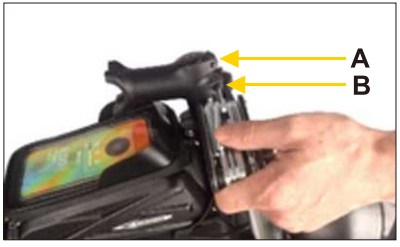
PART 1:REMOVE PACKAGING

01
Unpack your Ridstar electric bike.

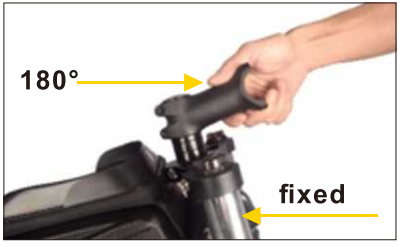
02
Installation tools

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 riser180°

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

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

05

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

06

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

PART 5:HOW TO REMOVE THE BATTERY AND START YOUR E-BIKE

01

Please look at the words of "lock and open" on the front battery (close the front wheel).Open or lock the battery according to the direction of the arrow,then you can open and lock the battery.

02

Pulling and removing the left battery(near the front wheel)at first.Easily remove the battery.

03

Please look at the words of "lock and open" on the rear battery (close the rear wheel).Open or lock the battery according to the direction of the arrow,then you can open and lock the battery.

04

After taking the left battery, then you can pull and remove the right battery(near the rear wheel). Installing the right battery first then you can install the left battery

01

When you are going to use the front motor please turn on the F and R battery,when you are going to use the rear motor you can turn on the rear battery and turn off the front battery.

02

Arrow to arrow.Pluging in the two motor wires above the front motor, the red color of the port and the horizontal line on the port should not be exposed in the middle of figure 2.Figure 3 is the correct operation.

03

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

04

Press and hold the "M" button next to the left handlebar to complete the start.
Turn the throttle to ride.

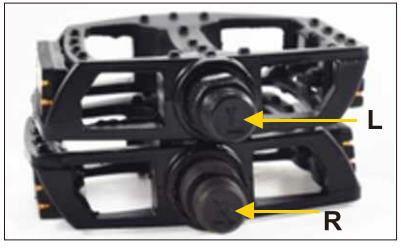
05

The switch is pushed up then pressing down the red switch indicating that the front and back motors are used simultaneously.The circel switch is pushed up,then pressing up the red switch,that the front motor is used alone.

06

The switch is pushed down Pushing the red switch indicating that the motor is used alone after

PART 4:PEDAL AND SADDLE MOUNTING&DIRECTION ADJUSTMENT

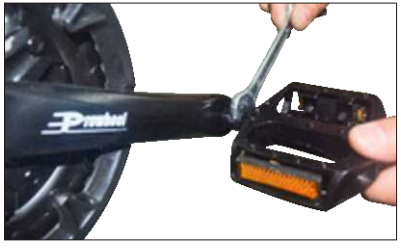


01

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 left crank



03

“R” pedal is fixed clockwise and fixed on the right crank

04

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

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 6 to 8 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 cus tomer service .·

Recharge battery after every use.

Do not disassemble or alter the battery or battery charger.
Do not place the battery near fire or corro- sive substances.
Do not allow any liquids on or inside the battery/charger.
Do not expose the bat-tery/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 thelast gear is for maximum speed on level or downhill terain.Change gears only-while pedaling.
The rear wheel contains seven chain sprockets When the chain js 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 chanin to come off the sprocket.

08 LCD DISPLAY

KEYS

Power Assist System Modes(PAS)

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

1:Low speed level,13-17KM/H(8-11 mph)
2:Medium speed level,21-26KM/H(13-17 mph)
Pure electric model
3:High speed level,29-35KM/H(18-22 mph)
Pure electric model
4:Very high speed level,38-44KM/H(24-28 mph)
Pure electric model
5:Maximum speed level.48-54KM/H(30-34 mph)

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

Your ridstar electric bike comes with one or two keys:

* Ignition key

* The key to the battery holder on the bicycle frame

WARNING

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

1. Product Name and Model Number

   Smart LCD display for electric bicycle; Model: YL90T-H

2. Specification

   - 36V/48V/52V power supply
   - Display rated current 15mA
   - Display maximum current 30mA
   - Shutdown leakage current <1uA
   - Supplied current to the controller 50mA
   - Operating temperature −20～60℃
   - Storage temperature −30 to 70° C

3. Appearance and Size

Figure 3-1 Physical picture of the YL90T-Hdisplay

Figure 3-2 Physical picture of the K5 control button

Figure 3-3 Physical picture of the K6 control button

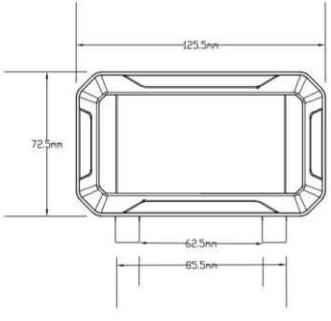


Figure 3-4 90T-H Front View Dimension

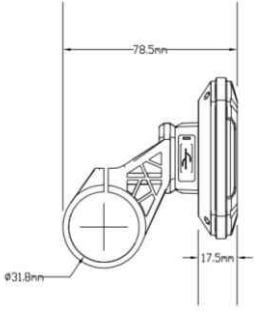


Figure 3-5 90T-H Side View Dimension

4. Function overview and Functional areas

4.1 Functional overview

The YL90T-H display offers a variety of features to suit your riding needs, including:

- Battery level indicator
- Pedal assist (PAS) level indicator
- Speed (current speed, maximum speed, average speed)
- Mileage display (single and total mileage)
- Walk boost mode
- Light ON/OFF
- Error code indicator
- Motor power indicator (optional)
- USB connection indicator (optional)
- Cruise control indicator (optional)
- Bluetooth connection indicator (optional)
- Personalized parameter settings (e.g. wheel diameter, speed limit, battery power setting and PAS parameter setting, password setting, controller current limit setting, etc.).
- Factory default parameter recovery function

4.2 Functional areas

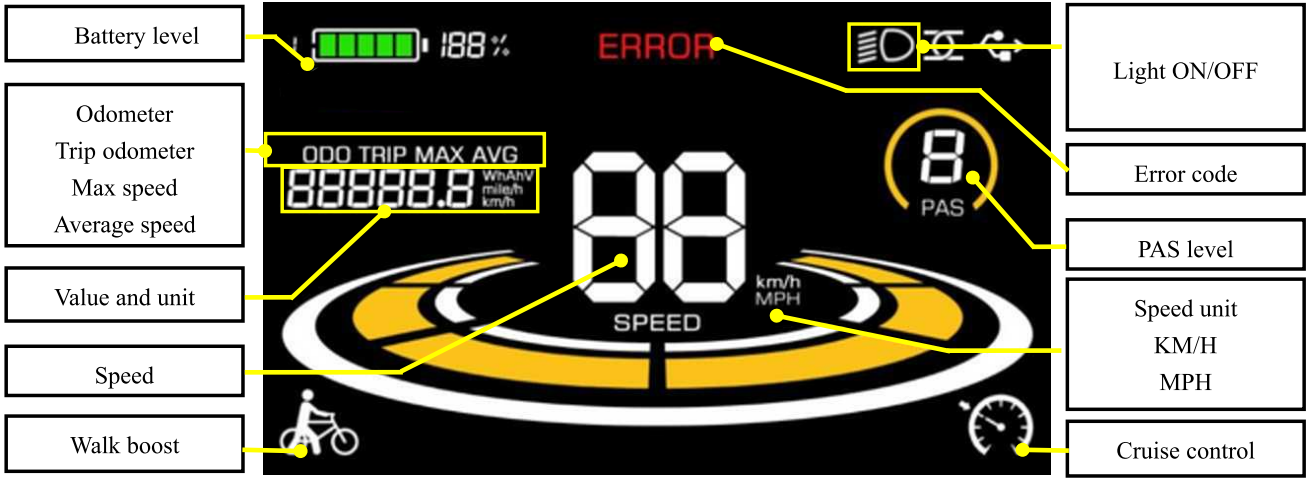


Figure 4-1 YL90T-H functional area distribution interface

4.3 Button definitions

The YL90T-H display is equipped with five buttons on the corresponding operating unit: power on/off  , plus  , minus  , light  and toggle  .

5. Routine operation

5.1 Power on/off

Long press  to power on/off the display. When the display is off, it will not use the battery power and the leakage current is less than 1uA.

⚠The display will automatically shut off if it is not used for more than 10 minutes.

5.2 Display interface s witching

When the display is powered on, it will show the Current Speed (km/h) and Odometer (km) by default. Short press to switch between Odometer (km), Trip Odometer(km), Maximum Speed (km/h), and Average Speed (km/h).

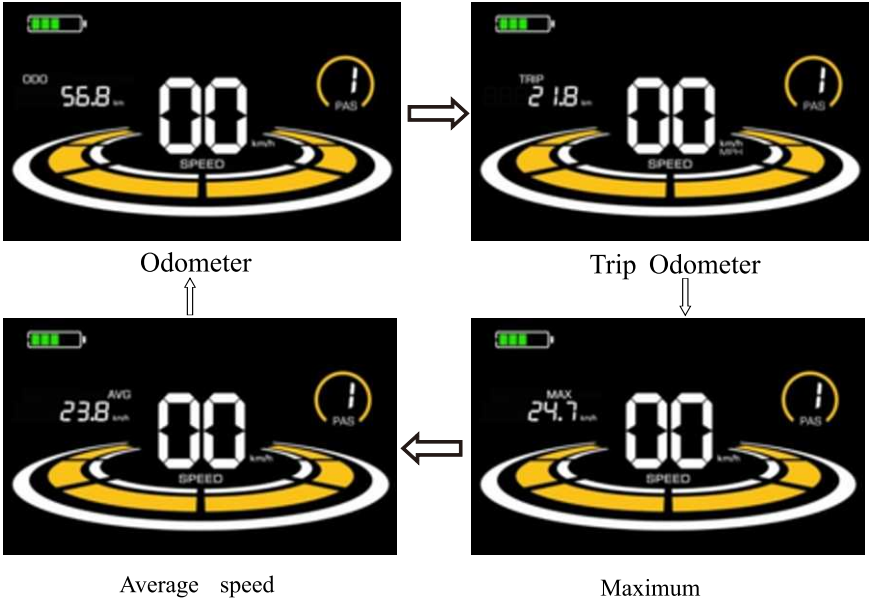


Figure 5-1 Display Interface Switching

5.3 Walk boost mode

Long Press and hold [−], the electric bicycle enters the walk boost mode. The electric bicycle will walk at a fixed speed of 6 km per hour and the display shows [🚲]. Release the button to stop the power output immediately and restore to the state before walk boost.（⚠Some protocols do not support this function）

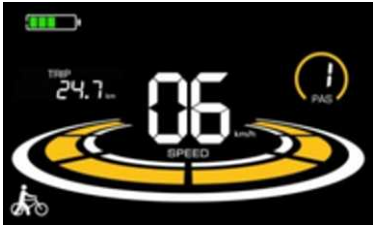


Figure 5-2 Helping to implement the display screen

⚠The walk boost mode can only be used when pushing the electric bicycle, please do not use it while riding.

5.4 Turning on/off lights

Press the [💡] to make the controller turn on the lights and the display backlight becomes dim. Press [💡] again to make the controller turn off the lights and the backlight restore brightness.

Figure 5-3 Backlight display interface

5.5 PAS level selection

Press [+] / [−] to switch PAS level of electric bicycle, thus changing the motor output power.

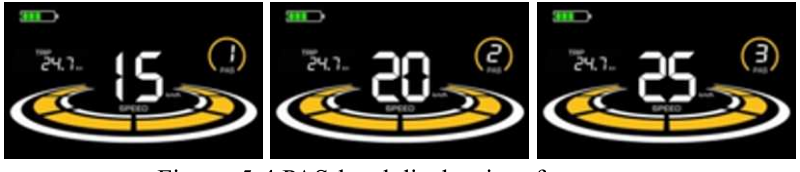


Figure 5-4 PAS level display interface

5.6 Battery level display

The Battery level is shown as 5 bars. When the battery is full charged, all of the 5 bars lighten up. When the battery is fully depleted, the bar will begin to flash, warning the user to charge the battery as soon as possible.

Full power　Four bars power　Three bars power　Two bars power　One bar power

5.7 Error code display

If there is a fault occurs in the electronic system of the electric bicycle, the display will automatically show an error code, see Schedule 1 for a detailed definition of the error code.

Empty power

Figure 5-5 Battery Level Display Interface

⚠When the error code appears on the display, please troubleshoot the problem in time, the electric bicycle will not be able to drive normally after the problem occurs.

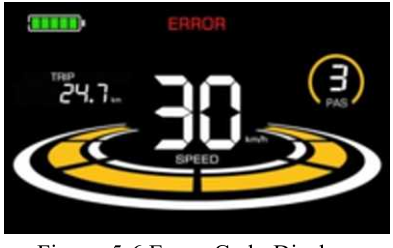


Figure 5-6 Error Code Display

6. Personalized parameter settings

⚠Each setting needs to be done with the bicycle stationary.

The personalized parameter setting procedure is as follows:

When the display is ON and the speed shows 0,

(1) Press and hold + − simultaneously for more than 2 seconds to enter the personalized parameter setting interface.

(2) Press + / − to toggle between the personalized parameter setting interface, and press i to enter the parameter changing state.

(3) Press + / − to select the parameter, long pres + for addition operation, long press − for subtraction operation.

(4) Press i to save the parameter settings and return to the personalized parameter setting interface.

(5) Long Press i to save the parameter settings and exit the personalized parameter setting interface.

The following options are available on the personalized parameter setting interface:

6.1 Metric and Imperial setting

P1 is the metric and imperial setting, 00 for metric and 01 for imperial.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

6.2 Rated voltage setting

P2 is the rated voltage setting. The available rated voltage range is:
24V, 36V, 48V, 52V.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return the personalized parameter setting interface.

Figure 6-1 Metric and Imperial Units Setting Interface

Figure 6-2 Rated voltage setting interface

6.3 PAS level setting

P3 is the Pedal assist (PAS) level setting. The available Pedal assist level settings are: 0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9, 1~9.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-3 PAS level setting interface

6.4 Wheel diameter setting

P4 is the wheel diameter setting. The adjustable wheel diameter range is: 1~50inch

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-4 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

P5 is the speed sensor magnet number setting. The adjustable speed sensor magnet number range is: 1 ~ 100 pcs.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-5 Number of speed sensor magnets setting interface

6.6 Speed Limit Setting

P6 is the speed limit setting. The adjustable speed limit range is: 1~100km/h.（The maximum adjustable speed limit varies by different protocols)

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-6 Speed limit setting interface

6.7 Start-up setting

P7 is the start-up setting. The display can choose the following start modes: 00→zero start, 01→non-zero start.

Press i to enter the parameter changing state. Press the +/− to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-7 Start-up setting interface

6.8 Drive mode setting

P8 is the drive mode setting. The available drive modes are: 00→Pedal assist only, 01→Electric only, 02→Both Pedal assist and electric.

Press i to enter the parameter changing state. Press the +/− to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-8 Drive mode setting interface

6.9 Pedal assist sensitivity setting

P9 is the pedal assist sensitivity setting. When set to higher numbers, it will take more crank rotations to activate the motor. On lower numbers, it will take little crank rotation to activate the motor. The adjustable range is: 1~24.

Press i to enter the parameter changing state. Press the ⊕/⊖ to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-9 Pedal assist sensitivity setting interface

6.10 Pedal assist strength setting

PA is the Pedal assist strength setting. The Pedal assist strength is the relative strength of the PWM signal from the controller when start to activate pedal assist. The adjustable range is 0 ~ 5. 0 is the weakest strength and 5 is the strongest.

Press i to enter the parameter changing state. Press the ⊕/⊖ to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-10 Pedal assist Start-up intensity setting interface

6.11 Number of pedal assist sensor magnets setting

Pb is the number of pedal assist sensor magnets setting. The adjustable range: 1~15 pcs.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-11 Number of pedal assist sensor magnets setting interface

6.12 Controller Current Limit Setting

PC is the controller current limit setting. The adjustable range is: 1~50A.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-12 Controller current limit setting interface

6.13 Battery under voltage value setting

Pd is the battery under voltage setting. The value can be adjusted based on the current rated voltage.

Press i to enter the parameter changing state. Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-13 Battery under voltage value setting interface

6.14 Power-on password setting

PE is the power-on password setting. The power-on password is not activated by default but users can activate it from setting PSd-y. The factory default password is 1212. Users can set other four-digit password. Please keep the password in mind after changing it, otherwise you will not be able to use the display.

Press i to enter the parameter changing state. Press the + / − to select the parameter. PSd-y means the power-on password is activated while PSd-n is off. Press i to confirm the mode and enter the state of setting the four digits power-on password or exit to the personalized parameter setting interface.

Figure 6-14 Power-on Password OFF interface

Figure 6-15 Power-on Password Activated interface ⇨

In the password setting mode, the adjustable digit will flash. Press the ⊕/⊖ to select the parameter and press i to save the numbers and go to the next digit setting. Long press i to save the parameter setting and return to the personalized parameter setting interface after finish setting the four digits in turn.

Figure 6-16 Power-on password setting interface

6.15 Auto Sleep Time Setting

PF is the auto sleep time setting. To save the battery power and reach higher range, this display will be turned off after it has not been used for a time. The adjustable range is: 1~60min, 00 means no auto shutdown. The factory default setting is 10 minutes.

Press i to enter the parameter changing state. Press the ⊕/⊖ to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Figure 6-17 Auto Power Off Time Setting Interface

7. Shortcut operation

7.1 Restore factory settings operation

dEF is the restore factory default parameter settings. dEF-Y is to restore the factory default settings, and dEF-N is not to restore.

Enter into the main setting interface and keep the speed at 0, press and hold  and  simultaneously for 2s to enter the restore factory default setting interface. Pressing  /  to toggle to dEF-Y. Then after pressing  to confirm, the display will show dEF-0 for a few seconds and then automatically start to restore the factory default settings. The display will automatically exit to setting interface after the restoration.

Figure 7-1 Restore Factory Default Settings Interface

7.2 Trip odometer reset operation

The display can record trip odometer and odometer. Trip odometer is not automatically reset after turning off. The trip odometer needs to be reset manually. The odometer can not be reset.

Enter into the main setting interface and keep the speed at 0, press and hold − and i simultaneously for 2s to reset the trip odometer. The main interface will flash during the reset process.

Figure 7-2 Trip Odometer Reset Interface

8. Quality Assurance and Warranty

8.1 Warranty info

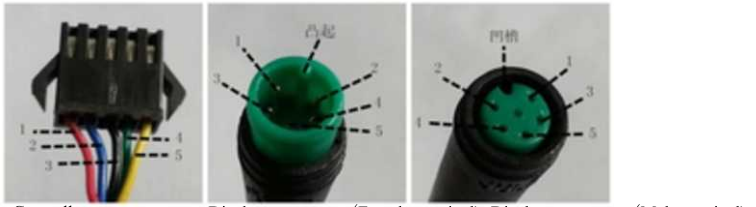
- Yolin will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.
- The product is warranted for 12 months from the date out of factory.

8.2 Warranty does not cover

- The shell is opened.
- The connector is damaged.
- Scratches on the appearance after the product is out of factory.
- Scratched or broken wires
- Failure or damage caused by force majeure（e.g. fire, earthquake, etc.) or natural disaster（e.g. lightning strike, etc.)
- Out of warranty period.

9. Wire connection diagram

9.1 Standard wire connection sequence



Controller connector　Display connector（Female terminal）Display connector（Male terminal）

Figure 9-1 Wire Connection Diagram

Table 9-1 Standard connector wire sequence table

Standard Wire Sequence	Standard wire color	Function
1	Red（VCC)	Display power wire
2	Blue（Kp)	Controller power wire
3	Black（GND)	Display ground wire
4	Green（RX)	Display data reception wire
5	Yellow（TX)	Display data transmit wire

■ Some models are equipped with waterproof connectors and the color inside wires can not be seen.

10. Precautions

Pay attention to all the general operating when us ing the products and do not plug and unplug the display while it is powered on.

◆ Avoid bumping the display as much as possible.

◆ Please do not change the parameter settings at will, otherwise normal riding cannot be guaranteed.

◆ If display does not work properly, please send it to the repair center as soon as possible.

◆ There may be differences between the physical products and this manual due to normal upgrade. Please refer to the physical products.

Schedule 1: Error Code Definition

YL-01, YL-02 Error codes				
Error code	Definition		Error code	Definition
E001	Controller failure		E004	Throttle failure
E002	Communication failure		E005	Brake failure
E003	Hall failure		E006	Motor phase failure
YL-05, KDS, YL-J Error codes				
Error code	Definition		Error code	Definition
E021	Current failure		E024	Hall failure
E022	Throttle failure		E025	Brake failure
E023	Motor phase failure		E030	Communication failure

Schedule 2: Pedal assist level default ratio value

Level / Level selection	1	2	3	4	5	6	7	8	9
0-3/1-3	50%	74%	92%	–	–	–	–	–	–
0-5/ 1-5	50%	61%	73%	85%	96%	–	–	–	–
0-7/ 1-7	40%	50%	60%	70%	80%	90%	96%	–	–
0-9/ 1-9	25%	34%	43%	52%	61%	70%	79%	88%	96%

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 brakesfor maximum reliability.Applying hand pressure tothe brake levers will cause the wheel brake to createfriction 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.

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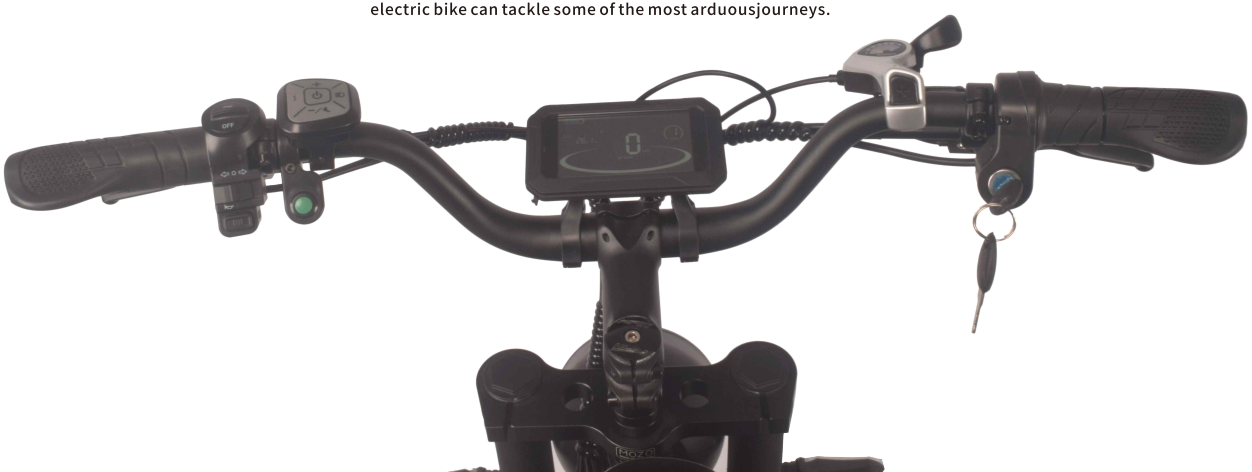
RIDSTAR E-Bikes FAQ

Q. How long dose it take to fully charge the battery?
A. It depends on the state of depletion,but around 6-8 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 bicyle is that it flattens hills and in-creases your average speed when tackling inclinesand headwinds.If you provide a reasonable amountod effort,you should be able to tackle anything from a10% 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 arduousjourneys.

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 con-trolled,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 cy-cling,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 75-90 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 LED 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 Lithiumion batter-ies which do not suffer from 'memory effect '.Thismeans that there is no need to discharge a battery completely before you rech arge it again.You canpartially recharge thebattery at any time without reducing its voltage or lifespan. We recommend recharging the battery after every use, regardless of how far you rode.

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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 bat-tery for a full 8 hours after your first 3 uses. for each battery.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 intend -ed 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 ollision 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

Important

Ridstar warranties against manuf acturer 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 de-faced or removed from the Product.

Exclusion

a)Damage or loss caused by modification, alter-ation, or repair by any unauthorized party.
b)Damage or loss cause 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 connect-ed to the Product.
g)Damage resulting from accidents, misuse, abuse, tamper-ing, or failure of the customer to follow normal operating pro-cedures 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 im-mediately ship replacement equipment or repair the equip-ment.

- If your E-Bike is in need of return, the owner must contact Ridstar. will receive a Return Authorization (RA) Numberand 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 returm which will be shipped by the owner.
- The RA number must be clearly visible.
- The owner will be responsible for insurance of the mer-chandise (at owner's cost) because Ridstar will not be re-sponsible 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 re -quired and the damages or problems are di -rectly 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™

Huizhou Xingqishi Sporting Goods Co.,Ltd

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