



VITILAN EBIKE

Operation and maintenance manual



www.vitilanebike.com

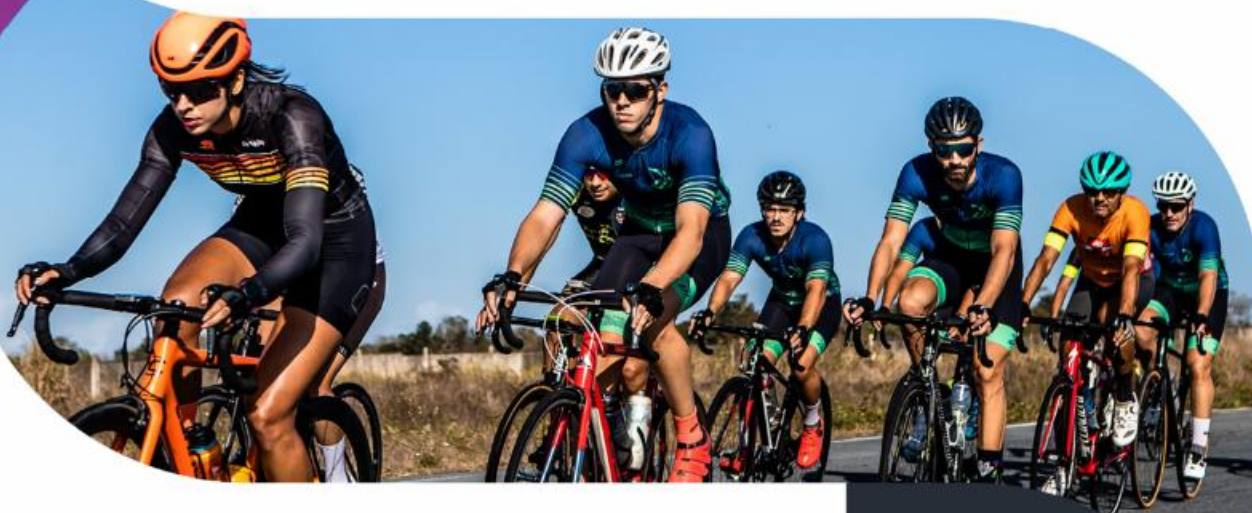


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PLEASE NOTE:

This manual is not intended as a detailed user, service, repair or maintenance manual.
Please seek assistance from a qualified technician for service, repairs or maintenance.

IMPORTANCE

When using the electric bicycle, basic safety precautions should always be followed, including the following:

1. Read all instructions.
2. To protect against fire, electric shock and injury to persons, do not immerse cord, plugs, or e-bike in water or other liquid.
3. Close supervision is necessary when the e-bike is used by or near children.
4. Unplug from outlet when not in charging and before cleaning.
5. Do not operate the e-bike with a damaged cord or plug or after the e-bike malfunctions, or has been damaged in any manner. Take the e-bike to the nearest authorized service bike shop for examination, repair or adjustment.
6. The use of accessory attachments not recommended by the e-bike manufacturer may result in fire, electric shock or injury to persons.
7. Do waterproof when using on a rainy or snowy day.
8. Do not let cord hang over the edge of table or counter, or touch hot surfaces.
9. Do not place on or near a hot gas or electric burner, or a heated oven.
10. Always attach the plug to the battery first, then plug the cord into the wall outlet.
11. Do not use the bike for other than intended use.
12. Save these instructions.

***Note that this is a general manual. VITILAN reserves the right to make changes to products and designs. The e-bike you own may not be the same style as the pictures shown in this manual.**

MODEL: V3 2.0



Specifications

- MODEL: V3 2.0
- Frame Construction: Aluminum Alloy
- Wheelbase: 1117mm
- Gear Range: 7-speed type
- Tire Size: 20" (565mm)
- Climb Grade: 30 degree
- Max load: 150kg (330 lbs)
- Max Speed: 28mph(Actual speed depends on road conditions, weather, rider weight)
- Power: 750W
- Battery Capacity: 48V 13Ah
- Battery Charger Input Voltage: 110/220 volt AC
- Battery Operational Temperature: 0°to 40° Celsius (32°to 104°Fahrenheit)
- Battery Life: Approximately 500 complete charge/discharge cycles

Read This First: Safety and Compliance with the Law

Congratulations on your purchasing of your new e-bike. Your new e-bike is an excellent piece of personal transportation equipment that will give you good service for many years.

Before you start using your e-bike, we want you to be aware of a few important points. Please read this section carefully.

- **Observe Laws Regarding the Use of Battery-Operated Bicycles**

Your e-bike is designed and manufactured to meet safety requirements as a battery-operated bicycle. However, state and local laws governing the use of battery-operated bicycles on public roadways, parks, and other open areas may differ. Please check with your local authority before using your e-bike in public areas.

- **Observe Laws Regarding the Use of Bicycles**

Note that all laws regarding the use of bicycles in public areas, such as those mandating the use of helmets and the use of infant seats, will automatically apply for e-bikes. Check with your local authority on what restrictions might apply.

- **The Lithium-ion Battery of Your e-Bike**

Your e-bike is equipped with the latest battery technology. The lithium-ion battery is much lighter than lead- or nickel-based batteries that are being used in some older models.

- **Your First Ride**

Please be VERY CAREFUL when you are ready to get on your e-bike for the first time because that the e-bike moves significantly faster than a regular bicycle at active power-assisted mode. Take your e-bike to an area with a lot of open space before you start. Do not start pedaling hard as soon as you get on the e-bike (as you normally would be with a regular bicycle), as the e-bike will accelerate under pedal-assist mode and you may be unprepared for the sudden increase in speed. However, after a few times, you will enjoy using the pedal-assisted function.

Assembling Your New e-Bike

If you purchased your e-bike unassembled, please follow these instructions to assemble your e-bike under the guidance of an adult or a qualified technician. Assembly is quite easy as most of the parts are already assembled; you need only to put a few pieces together to complete the job.

For more information. Please refer to the following way:

Email: support@vitilanebike.com

Facebook: Vitilanebike

Instagram: Vitilanebike

Website: www.vitilanebike.com

Youtube: Vitilanebike

Twitter: Vitilanebike



● Check that the Package is Complete and Undamaged

Your e-bike comes in a carton containing the following:

- ✧ The main body of the e-bike – consisting of the frame, the front and rear wheel, the gear and chain, the front and rear brake, the battery on the frame, the rear fender.

- ✧ The handlebar subassembly with the battery's keys that attached on it – the handlebar subassembly is not really separate, as it is connected to the main body by the brake cables and electrical wires. The handlebar also has the brake levers and gear control already assembled. Additionally, the handle also has an integrated control for the throttle mode power-assisted, a display panel.

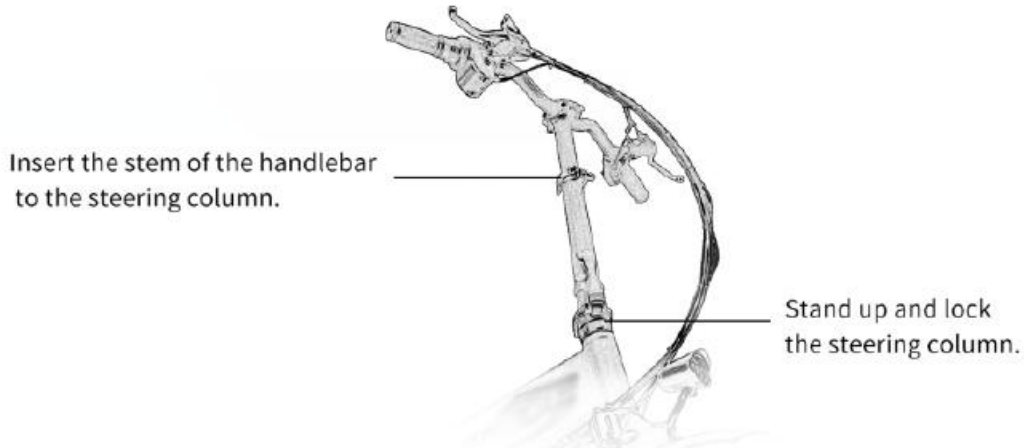
- ✧ The Seat – the seat is attached to its pedestal stem.

- ✧ Tools and other parts –tools, one charger, a pair of foot pedals and this manual, they are contained in a separate box.

- ✧ Before the bike leaves the factory, the tire pressure is about half as low. Before riding, check for adequate air pressure. Recommended air pressure for 20"x4.0" tires: **About 25 - 30 PSI.**

- **Assembly - Step 1: Attach the handlebar subassembly**

Stand the main body of the e-bike on the kickstand. Stand up and lock the steering column that is at the front of the main body frame, insert the stem of the handlebar subassembly into it. Make sure that the fork (that will hold the front wheel) is pointing forward, and orient the handlebar accordingly. Insert the stem all the way and tighten from the top using the quick lock.



- **Assembly - Step 2: Installing the Seat and Pedals**

Insert the pedestal stem of the seat into the seat column of the main body frame, use the built-in lever to tighten.

Attach a pedal on each side of the crank, note the distinction between left pedal and right pedal, tighten with the multi-tools.

Note the distinction: the installation of the left and right pedals



Inflate the tires to proper pressure.

At this point, your e-bike is a completely functional bicycle, although without any battery operated to function as yet. Check all tightening points to make sure. Take a short ride. Adjust the height of the handlebar, and the height and the tilt of the seat, if necessary, for maximum comfort.

● **Assembly - Step 3: Charging the Battery**

Take out the charger from the box, attached the power cord and insert that to any wall outlet. Insert the plug at the end of the smaller cable into the charging terminal of the battery and start charging. The charging terminal is on the side of the battery opposite to a hole on the side of the frame. The LED on the charger glows RED while charging and glows GREEN when charging is complete. The battery should be turned OFF while being charged. When the LED on the charger turns Green, disconnect the charging cord and cover the charging terminal with the rubber cap. If a battery is installed on the e-bike and turned ON, the display panel will show the charge level of the battery when the bike turned ON.

You are now ready to start using your e-bike.

Operating Your New e-Bike

The method to turn on the bike is:

- I. Twist the battery lock counterclockwise to the end to turn on the battery;
- II. Press power button on the left handle bar until the display lights on;
- III. Ride on the bike and twist the throttle bar or pedal the bike, the bike will move, you can change the power level with control buttons, level 1 is the slowest and level 5 is the fastest, level 0 is human model.

Your e-bike is driven by a motor embedded in the hub of the rear wheel. The motor is powered by a battery. The amount of power delivered to the motor, and hence the accelerating force on the e-bike, is controlled by you in a way according to the power-assisted mode or full power mode you choose.

You can configure the e-bike to operate in the pedal-assist-only-mode or the full power mode (should check against local laws to ensure full power mode is permitted) where you can also use the hand throttle to deliver power to the motor.

● Your First Ride

(Reprinted from the Safety and Compliance with the Law section)

Please be VERY CAREFUL when you are ready to get on your e-bike for the first time because the e-bike moves significantly faster than a regular bicycle at active power-assisted mode. Take your e-bike to an area with a lot of open space before you start. Do not start pedaling hard as soon as you get on the e-bike (as you normally would do with a regular bicycle), as the e-bike will accelerate under pedal-assist mode and you may be unprepared for the sudden increase in speed. However, after a few times, you will enjoy using the pedal-assisted function.

● Pedal-Assisted

You must turn on the battery to use the e-bike in pedal-assisted mode.

In the pedal-assisted mode, power assist is triggered when you pedal forward, and power assist stops when you stop pedaling, sometime would be delay. In other words, power assist happens as long as you pedal. You don't need to pedal hard. All you need is to apply a light force to the pedals continuously to maintain the current flow. When you apply one of the brakes, power assist will automatically stop, allowing the e-bike to slow down and stop. Power assist will turn itself off when the e-bike has reached the maximum speed that the power level you choose.

You should use the gear shifter at the handlebar to set the gears appropriately according to road conditions and pedal, as usual, you will find that you need to exert a lot less effort and the e-bike travels faster and at a more steady speed.

- **Cruise Control**

Press and hold the **"+" button**, when the indicator lights up the **"speed" icon** symbol, then press and hold the throttle for **8 seconds** to trigger the cruise control, and it will be released by braking/pedaling or throttling.

- **Thumb throttle Control**

In the hand throttle mode, amount of power assist is determined by the throttle switch controlled by your left hand. You control the throttle by twisting it from its resting position, the farther the throttle switch is from its resting position, the more power is delivered to the motor to accelerate the e-bike. When you want to slow down, you simply release the throttle and let it return to its resting position, and simultaneously apply the brakes if necessary.

You do not need to pedal the e-bike if you use the hand throttle. However, you can pedal while commanding power assist. If you do pedal to help the movement, you conserve energy and the charge in the battery will last longer.

- **Charging Your e-Bike Battery**

Your e-bike battery is a lithium-ion battery. Lithium-ion battery requires specially designed chargers. You should never charge your battery with a substitute charger that is not designed for this use. Use of an unsuitable charger to charge a lithium-ion battery will result in overheating, fire or even explosion. Ensure charger voltage is consistent with battery voltage. If your charger is lost or damaged, contact your dealer to order a replacement.

Charge your battery while the e-bike is not in use. You should turn off the battery before you charge it. You may charge your battery while it is mounted on the e-bike, or after it has been removed from the e-bike.

Do not place either the charger or the battery near flammable substances while charging is taking place. Charging should not be done in the vicinity of infants and small children. It is also prudent to remove valuable objects from the immediate vicinity of the battery while it is being charged. Don't charge in unattended condition for a long time. For the safety of you and your family, it is recommended not to charge in the middle of the night.

In order to maintain battery life, do not charge until the battery completely discharged, it is recommended to start charging when the power is less than 20 percent. If the battery will not be used for an extended period of time, charge it fully and recharge it every month. If not used for several months, the battery may be completely self-discharge and unable to charge.

The length of charging time depends on the level of charge the battery still holds. If a battery is completely discharged, it will take about 6-7 hours to be fully recharged. When a battery is fully charged, the LED on the charger will transition from RED to GREEN. At this point, you should disconnect the charger. Do not leave the charger

connected to the battery for a very long period of time after charging is complete.
(Leaving it connected for an overnight charging is OK.)

It is normal for the charger and the battery to be slightly hot while charging is on-going.

● **Removing the Battery from the e-Bike**

The battery is an important and costly part of the e-bike. It is designed to be locked into position with a key to preventing theft. You can take further precaution by removing the battery while the e-bike is parked unattended. You may also have a need to remove the battery from the e-bike to recharge it at a location where you cannot park your e-bike.

The method to remove the battery is:

- I. Open the cap of the charging port and fold the bike;
- II. Insert the key into the battery, hold pressing the key a bit until twist clockwise to the end (Note: You can't remove the battery until the lock bar withdraws into the battery completely);
- III. Slip off the battery, the battery is quite heavy and you should take care not to drop it.

● **Maximizing the Riding Range**

Many factors affect the rate of use of the electrical energy and the riding range.

- ✧ You should fully charge the battery before a long journey.
- ✧ Rough road conditions and hilly terrain will consume more energy.
- ✧ Frequent change of speed will consume more energy.
- ✧ Carrying more weight on the e-bike will consume more energy.
- ✧ Keeping the tires properly inflated and keeping the e-bike clean and well lubricated will save energy.
- ✧ Making sure that both wheels move freely when brakes are not applied will save energy. You should check brake adjustments frequently.
- ✧ Pedaling as you ride will consume less electrical energy and increase the riding range.
- ✧ When the battery is turned off, your e-bike functions as a regular bicycle. If you embark on a very long journey, you might want to turn off the battery for long stretches where the road is level or downhill and pedal the e-bike as a regular bicycle so that you can conserve electrical energy stored in the battery.

1. Product Name and Model Number

Smart LCD display for electric bicycle; Model: YL81F.

2. Specification

- 24V/36V/48V 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 YL81F display



Figure 3-3 Physical picture of the K6 control button

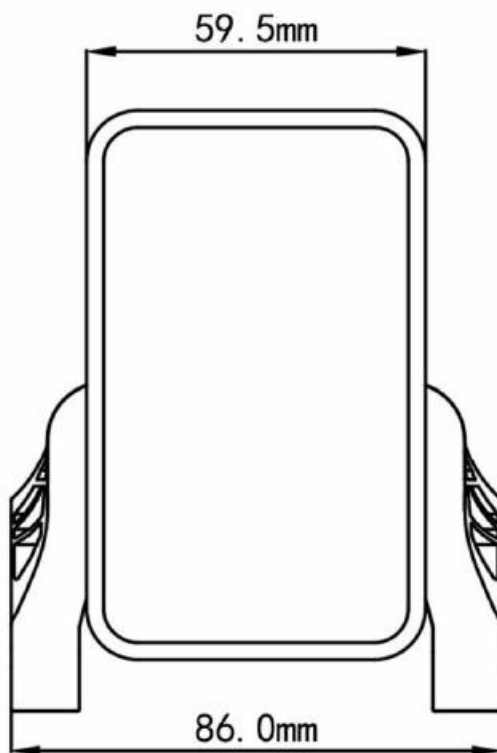


Figure 3-4 90T-V Front View Dimension

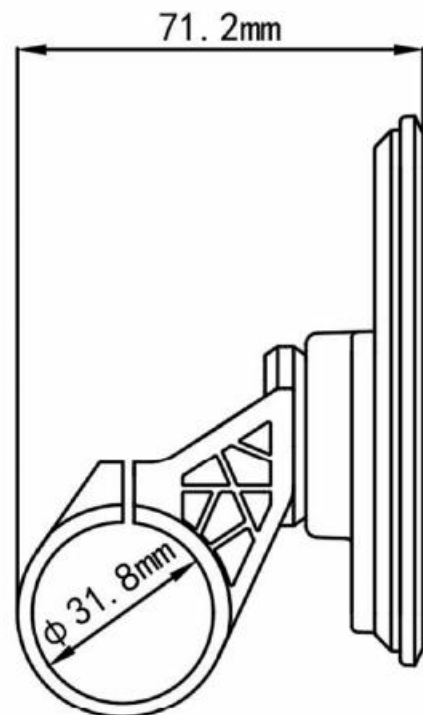


Figure 3-5 90T-V Side View Dimension

4. Function Overview and Functional Areas

4.1 Functional overview

The YL81F 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, rated voltage, PAS parameter, password, and controller current limit setting, etc.).
- Factory default parameter recovery function

4.2 Functional areas

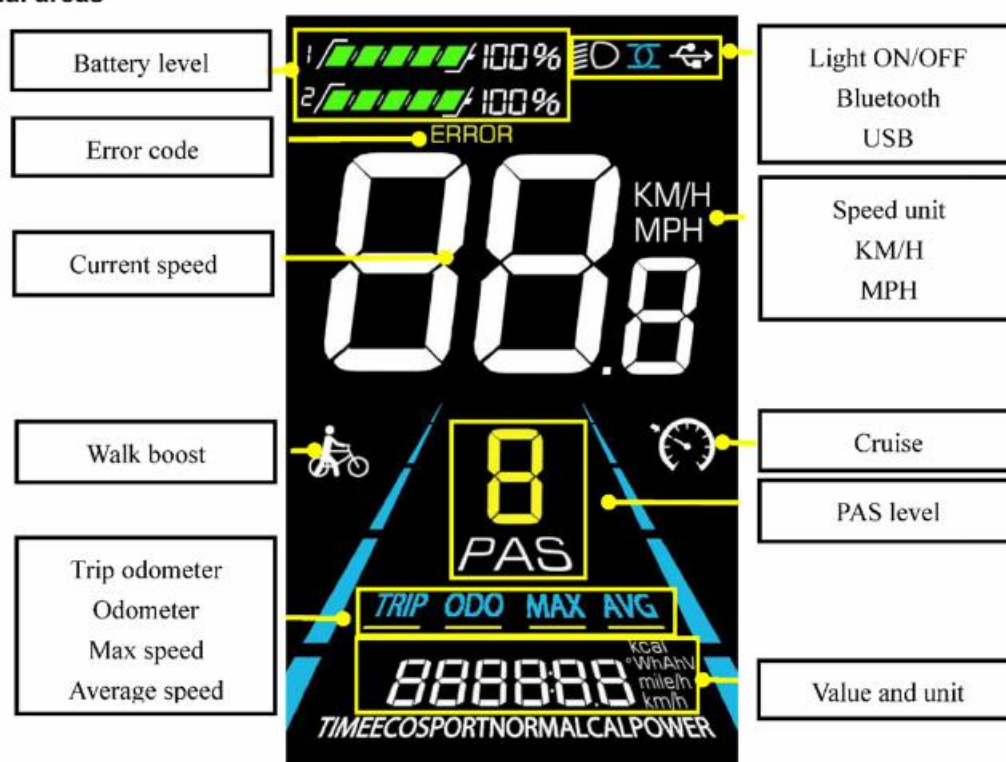


Figure 4-1 YL90T-V functional area distribution interface

4.3 Button definitions

The YL81F display is equipped with five buttons on the corresponding operating unit: power on/off , plus , minus , light  and toggle .

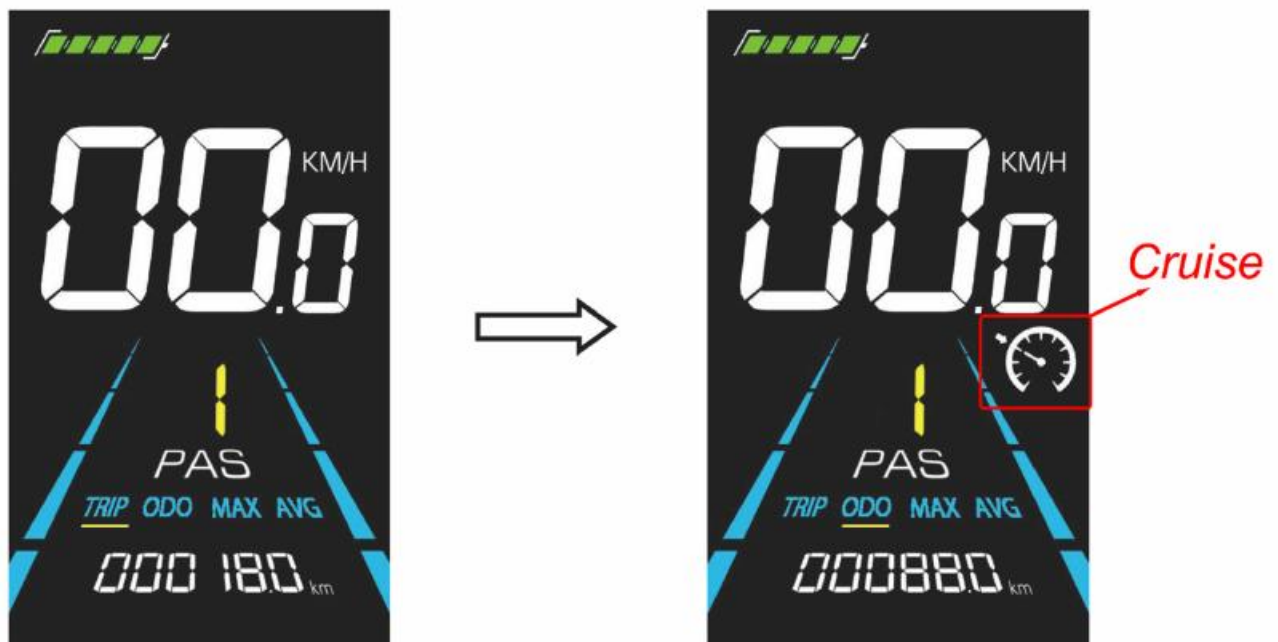
Schedule 1: Error Code Definition

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

Turn Cruise Control On or Off:

Long press the  button to start cruise control.

The display show the cruise logo.



Twist the throttle for 8 seconds to achieve the fixed speed function

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 switching

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

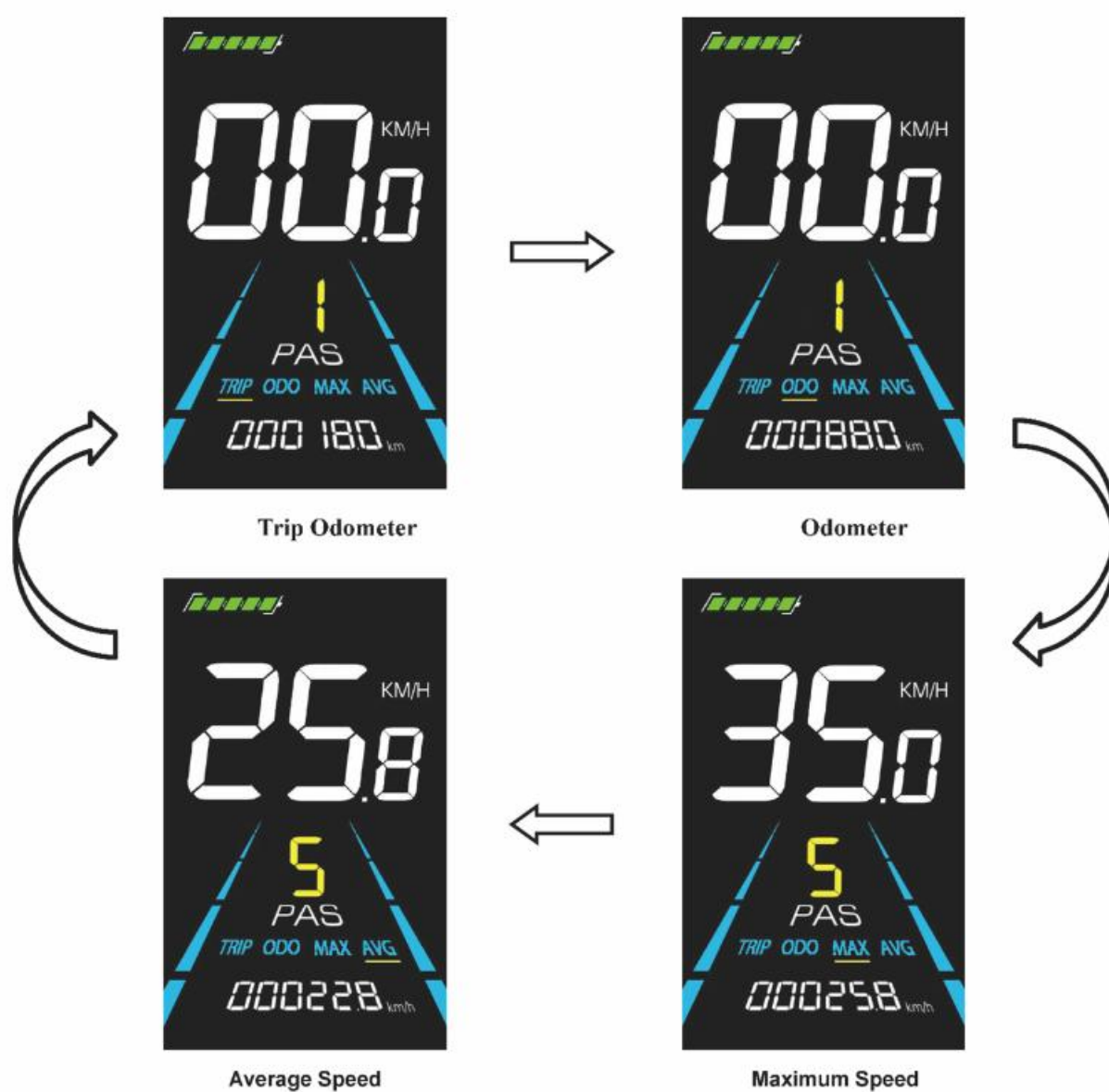


Figure 5-1 Display Interface Switching

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/h and the display shows . Release  to stop the power output immediately and restore to the state before walk boost.



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.

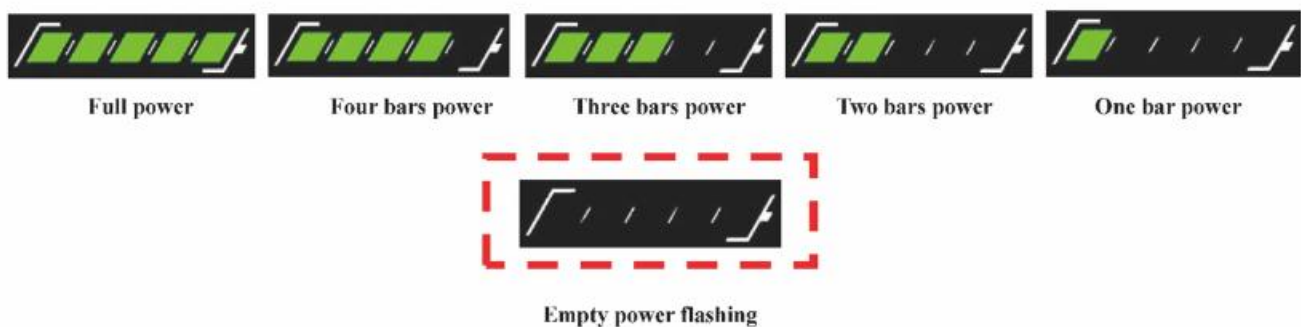


Figure 5-5 Battery Level Display Interface

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.



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

01P 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.



Figure 6-1 Metric and Imperial Units Setting Interface

6.2 Rated voltage setting

02P is the rated voltage setting. The available rated voltage range is: 24V, 36V, 48V.

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 6-2 Rated voltage setting interface

6.3 PAS level setting

03P is the Pedal assist level setting. The available PAS 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

6.3.1 PAS level ratio value setting

To meet different requirements for users, the speed of every level can be adjusted by setting the PAS level ratio value. For example, “45-55%” is the ratio range of PAS 1. The default ratio value of PAS 1 is 50% which is adjustable.

Press the **+** / **-** to select the parameter and press **i** to save the parameter and enter into the next level setting.

Press **i** again to save the settings and return to the personalized parameter setting interface.



Figure 6-4 PAS level ratio value setting interface

6.4 Wheel diameter setting

04P is the wheel diameter setting. The adjustable wheel diameter range is: 8~50inch.

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 6-5 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

05P is the speed sensor magnet number setting. The adjustable speed sensor magnet number range is: 1 ~ 15 pcs (5S protocol), 1 ~ 63 pcs (KDS protocol).

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 Number of speed sensor magnets setting interface

6.6 Speed Limit Setting

(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 6-7 Speed limit setting interface

6.7 Controller Current Limit Setting

07P is the controller current limit setting. The adjustable range is: 1~31.5A.

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 Controller current limit setting interface

6.8 PAS sensor setting

08P is the PAS sensor setting.

6.8.1 PAS sensor direction setting

run is the PAS sensor direction setting. run-F is front direction and run-b is opposite direction.

Press **i** to enter the parameter changing state. Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and enter into 6.8.2 PAS sensor sensitivity setting interface.

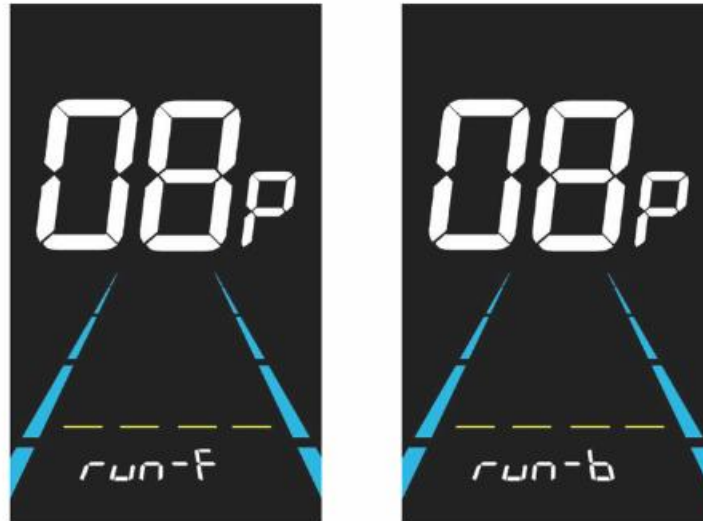


Figure 6-9 PAS sensor direction setting interface

6.8.2 PAS sensor sensitivity setting

SCN is the PAS sensor sensitivity setting. The adjustable range is: 2-9. 2 is the highest level sensitivity while 9 is the lowest.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and enter into 6.8.3 PAS magnets number setting interface.



Figure 6-10 PAS sensor sensitivity setting interface

6.8.3 Number of pedal assist sensor magnets setting

PAS is the pedal assist sensor magnets setting. The adjustable range is: 5-31.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and to return to the personalized parameter setting interface.



Figure 6-11 Pedal assist sensor magnets setting

6.9 Throttle setting

09P is the throttle setting.

6.9.1 Throttle 6KM/H walk boost setting

HL is the throttle 6KM/H walk boost setting. HL-Y is to enable the walk boost and the speed will maintain at 6KM/H when using throttle. HL-N is to disable the walk boost and it can reach the max speed when using throttle.

Press the **+** / **-** to select the HL-Y and press **i** to save the parameter setting and return to the personalized parameter setting interface.

Press the **+** / **-** to select the HL-N and press **i** to save the parameter setting and enter into 6.9.2 Throttle Level setting interface or long press **i** to return to the personalized parameter setting interface.

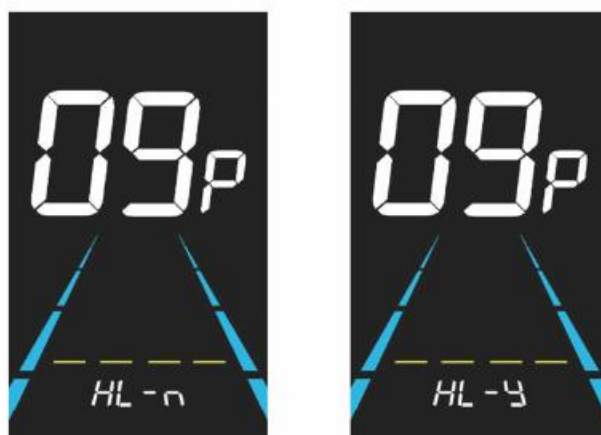


Figure 6-12 Throttle 6KM/H walk boost setting

6.9.2 Throttle level setting

HF is the throttle Level setting. HF-Y is to enable the throttle level. When using the throttle, the max speed depends on the throttle level. (0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9, 1~9) HF-N is to disable the throttle level. The speed is independent with the throttle level and can reach the rated max speed.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and to return to the personalized parameter setting interface.

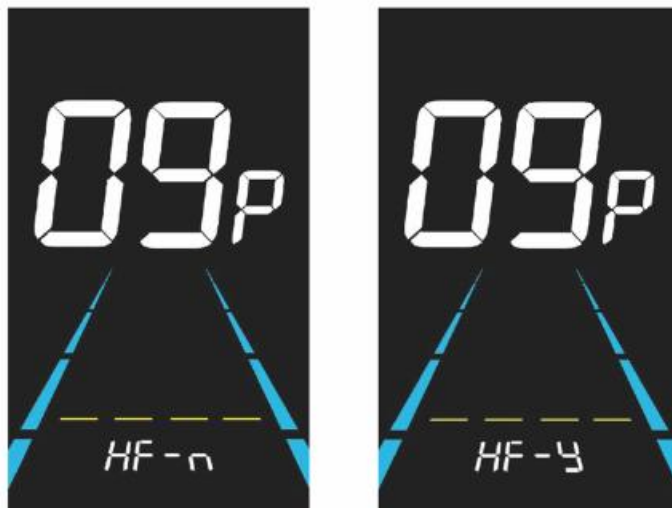


Figure 6-13 Throttle level setting

6.10 Power-on password setting

10P 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.



Remember your password after changing it, or you will not be able to use the meter!



Figure 6-14 Password OFF interface



Figure 6-15 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

6.11 Auto Sleep Time Setting

11P 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 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.

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

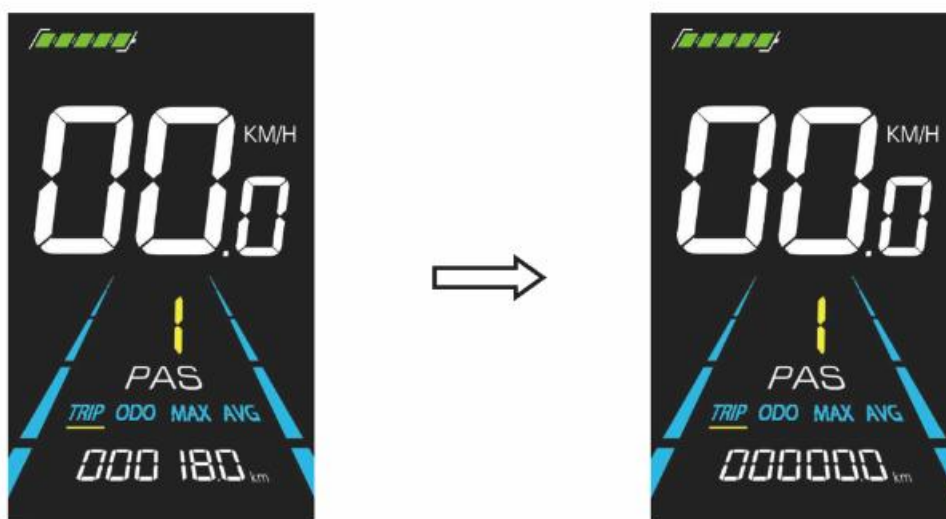


Figure 7-2 Trip Odometer Reset Interface

8. Quality Assurance and Warranty

8.1 Warranty info

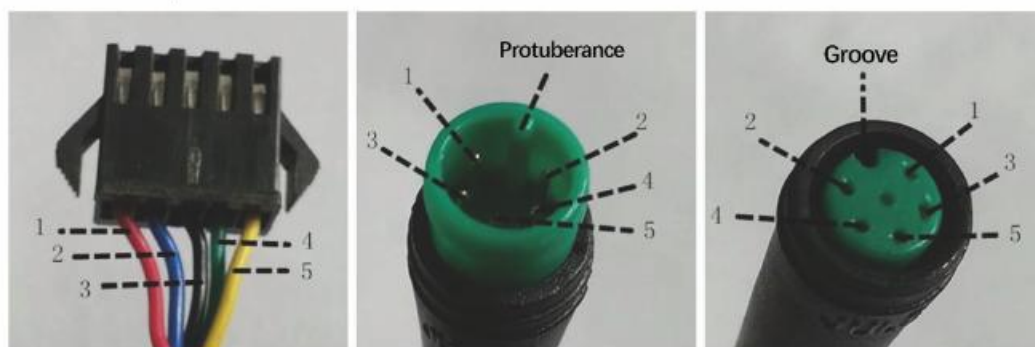
- Yolín will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.
- The product is warranted for 12 months from the date out of factory.

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

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 using 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.

Care and Maintenance for Your New e-Bike

You should, in general, take care of your e-bike the way you would with a regular bicycle by keeping it dry, clean and the moving parts well lubricated. You should also avoid parking your e-bike in exposed areas whenever possible.

You should check the effectiveness of the brakes before each use.

● For your e-Bike, you should also take note of the following:

- ✧ Your e-bike is designed for regular country road use for a single person. Using your e-bike for extreme maneuvers, such as extreme off-road use, jumping, or carrying the excessive load will damage the e-bike and could cause serious injury.
- ✧ Do not use high-pressure water streams to clean your e-bike, as water might seep inside the motor or the wiring compartment and cause rusting of electrical parts or short circuits.
- ✧ Avoid parking your e-bike outside when there is rain or snow. At the end of a trip where there was rain or snow, bring the e-bike inside and use a clean, dry towel to eliminate any wetness.
- ✧ Be sure you do not lose both keys and remote controls. If you lost one key, you should immediately make a copy as a back-up. If you lost both keys, you will be unable to remove the battery from the e-bike. If you lost both remote controls, you can't turn on the bike.

● Special Care for the Battery and the Charger

- ✧ Use only the supplied charger to charge your battery. Do not use an unauthorized substitute. If your charger is lost or damaged, contact your dealer to order a replacement.
 - ✧ Do not open or alter the battery or the battery charger.
 - ✧ Do not place the battery near fire or corrosive substances. Do not immerse in water or other liquids.
 - ✧ Avoid subjecting the battery from high temperatures, such as directly under the hot sun, for prolonged periods of time.
 - ✧ Do not connect (short circuit) the two poles of the battery.
 - ✧ After much use, your battery's charge holding capacity will decrease. If you find that your battery does not hold sufficient charge even for short trips, you should contact your dealer to order a replacement. Under normal use, the battery will undergo 500 charging and discharging cycles.
 - ✧ If the battery will not be used for an extended period of time, charge it fully and recharge it every month. Store it in a cool place.
- ² Your e-bike battery is engineered with precision for high capacity and long useful life. We do not recommend that you use it to power other electrical devices. Improper use of the battery will damage the battery and shorten its useful life and may cause a fire or an explosion.

Safety

These safety precautions are provided for your benefit to protect you and those around you. Please read and follow them carefully to avoid unnecessary injury, damage to the product, or damage to other property.

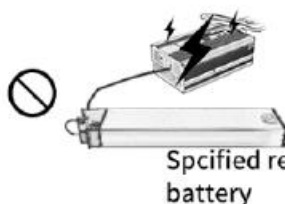
Battery

⚠ CAUTION

- Do not throw the battery into a fire. Do not overheat the battery.



- Do not connect the battery to other appliances other than your battery.



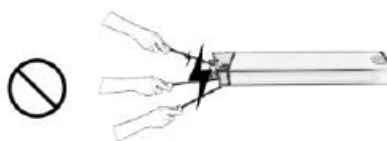
- Use only the specified charger to charge the battery.



- Do not take apart or modify the battery.



- Do not connect positive and negative terminals by using metallic objects.



(Electrolyte leakage, overheating and/or rupture may result in this type of abuse.)

Battery Charger

⚠ CAUTION

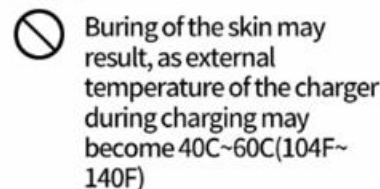
- Do not take apart or modify the charger



- Do not subject the charger to shocks, e.g. by dropping. Keep the charger away from water

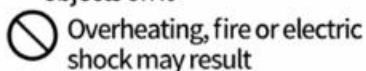


- Do not touch the charger with your skin for long periods during charging

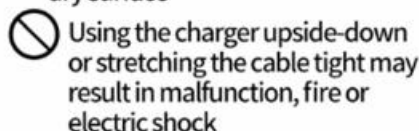


Overheating, fire or electric shock may result

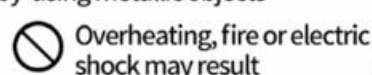
- Do not cover the charger or place objects on it



- Place the charger firmly on a flat dry surface



- Do not short-circuit the terminals by using metallic objects



WARNING

- Keep the battery away from water. Pouring water on the battery may result in short-circuit, overheating or permanent damage of the battery.
- Do not submerge the battery. Soaking the battery in water may cause irreparable damage.

WARNING

- Do not apply pressure to the cable or the plug.
 -  Placing the cable tightened between a wall and a window frame, or placing heavy objects on the cord or the plug may result in electric shock or fire.
- Be sure to insert the plug securely into a wall socket.
 -  Electric shock and overheating may result, causing fire.
- Do not touch the plug with wet hands.
 -  Electric shock may result.
- Keep out of reach of children or pets.
 -  Electric shock or injury may result.
- Do not attempt to use another maker or model's charger to charge the battery.
 -  Overheating, fire or electric shock may result.
- Do not use the charging plug and/or the power source Plug when they are dirty, wet or dusty.
 -  Insulation failure due to moisture absorbed in the dust may result, causing fire.

Pull out the power source plug and clean it with a dry cloth.
- To remove a cable from a socket, pull the plug, not the cable.
 -  Always pull the charging cable gently.
- Do not rotate the pedals when charging the battery while it is mounted on the bicycle.
 -  The cord may twist around the pedal or the crank, and the damage to the plug may result, causing electric shock or fire.
- Do not apply voltage over the rated value to the charger.
 -  Do not use sockets, correctors and other wiring devices with a power source other than standard rated voltage (AC110-240 volts) power supply.
 - Overheating, fire or electric shock may result.
- Do not use damaged components such as charge case, power cord, plug etc.

Electric short, short-circuit or fire may result.

Trouble Shooting

As one or more causes of failure might lead to the failure phenomenon, you should find out the true cause(s) and then take the appropriate solution(s) to rectify the problem. In case of doubt, please consult a qualified technician for service, repairs or maintenance.

Failure Phenomena	Causes of Failure	Solutions
Can't turn on the e-bike	- Battery is off - The Battery is out of power - Battery aging or damaged - Poor contact of display line - Failure of controller - Failure of switch	- Turn on the battery - Fully charge the battery - Replace the battery - Reconnect the display - Replace the controller - Replace the switch
- Pedal assist doesn't work - Gear doesn't work well - Brake doesn't work well - Display doesn't light on	- Failure of speed sensor - Rear derailleur mismatch - Brake caliper mismatch - Brake Disc is bent - Poor contact of display line	- replace speed sensor - Adjust rear derailleur - Adjust brake caliper or disc - Reconnect the display line
- Can't adjust the speed - Speed is less than 10km/h	- Battery's voltage is too low - Throttle governing bar is damaged - Poor contact of the controlling line - Spring failure or being locked	- Fully charge the battery - Replace the throttle governing bar - Replace the spring
e-Bike's mileage is obviously inadequate after fully charged	- Inadequate tire pressure - Failure of charger - The battery cannot be fully charged - Failure of controller - Battery aging or battery damaged - e-Bike has not been well assembled - Too much upgrade road - Strong wind - Bad road - Overweight - Too many braking times - Temperature is too low	- Inflate tire with appropriate air pressure - Repair the charger - Examine and repair the controller - Replace the controller - Replace the battery - Re-adjust the e-Bike - Boost the e-Bike by manpower - Warm the battery above 0°C (32°F)
Wheel hub stop running after switching on the power	- The connection of battery is loosen. - Poor contact of controlling line - The connection of wheel hub is loose or damaged - The protective board of the battery is broken	- Re-connect the battery - Replace the connection line - Replace the battery's protective board with a new one



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Instagram: Vitilanebike

Website: vitilanebike.com

Youtube: Vitilanebike

Twitter: Vitilanebike



VITILAN EBIKE

Návod na obsluhu a údržbu
www.vitilanebike.com



OBSAH

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Technické údaje P3
Bezpečnosť a súlad s predpismi P4
Montáž nového e-bicykla P5-P9
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POZNÁMKA: Tento návod nie je podrobnou servisnou, opravárenskou ani údržbovou príručkou. Obráťte sa na kvalifikovaného technika.

DÔLEŽITÉ INFORMÁCIE

Pri používaní elektrického bicykla vždy dodržiavajte základné bezpečnostné opatrenia:

1. Prečítajte si všetky pokyny.
2. Kábel, zástrčky ani e-bicykel neponárajte do vody ani inej kvapaliny - hrozí požiar, úraz elektrickým prúdom alebo zranenie.
3. Pri používaní deťmi alebo v ich blízkosti je nevyhnutný dozor.
4. Ak nenabíjate alebo pred čistením, odpojte zariadenie zo zásuvky.
5. Bicykel nepoužívajte s poškodeným káblom/zástrčkou, po poruche ani po poškodení; zverte ho autorizovanému servisu.
6. Nepoužívajte príslušenstvo, ktoré neodporúča výrobca.
7. Za dažďa alebo snehu zabezpečte ochranu pred vodou.
8. Nenechávajte kábel visieť cez hranu ani dotýkať sa horúcich povrchov.
9. Neumiestňujte pri horúcom plynovom/elektrickom horáku ani rúre.
10. Najprv pripojte zástrčku k batérii, potom k sieťovej zásuvke.
11. Bicykel používajte len na určený účel. 12. Pokyny uschovajte.

Ide o všeobecný návod; VITILAN môže meniť výrobky a dizajn.

MODEL: V3 2.0



Technické údaje

- MODEL: V3 2.0
- Konštrukcia rámu: hliníková zliatina
- Rázvor: 1117mm
- Prevodový rozsah: 7-rýchlostný typ
- Veľkosť pneumatiky: 20" (565mm)
- Stúpavosť: 30 degree
- Max. zaťaženie: 150kg (330 lbs)
- Max. rýchlosť: 28mph (skutočná rýchlosť závisí od cesty, počasia a hmotnosti jazdca)
- Výkon: 750W
- Kapacita batérie: 48V 13Ah
- Vstupné napätie nabíjačky: 110/220 volt AC
- Prevádzková teplota batérie: 0°to 40° Celsius (32°to 104°Fahrenheit)
- Životnosť batérie: približne 500 úplných cyklov nabitia/vybitia.

Najprv si prečítajte: Bezpečnosť a súlad so zákonom

Blahoželáme k novému e-bicyklu. Pred používaním si pozorne prečítajte túto časť.

- Dodržiavajte predpisy pre batérové bicykle. Právne predpisy pre verejné cesty, parky a iné priestory sa môžu líšiť. Pred jazdou na verejnosti ich overte u miestneho orgánu.
- Dodržiavajte predpisy pre bicykle, napr. prilby a detské sedačky; platia aj pre e-bicykle.
- Lítium-iónová batéria je ľahšia než staršie olovené alebo niklové batérie.
- Prvá jazda: začnite na otvorenom priestore. E-bicykel v asistovanom režime zrýchľuje výrazne rýchlejšie než bežný bicykel; nezačínajte silným šliapaním.

Montáž nového e-bicykla

Ak ste bicykel dostali nezmontovaný, montujte ho pod dohľadom dospeléj osoby alebo kvalifikovaného technika. Väčšina dielov je už zmontovaná.

Ďalšie informácie:

E-mail: support@vitilanebike.com

Web: www.vitilanebike.com

Facebook / Instagram / Youtube / Twitter: Vitilanebike



Časti e-bicykla

Popisy: LCD displej, sedlo, zadný nosič, nabíjací port, regulátor, batéria, rýchlopúžanie, klaksón a predné svetlo, zámok batérie, vidlica, pedál, snímač rýchlosti, reťaz, zadná prehadzovačka, široká pneumatika, kotúčová brzda a brzdový strmeň.

Ovládače riadiel: smerové svetlá; tlačidlo ponuky; mechanická brzda; PVC rukoväť; tlačidlo klaksónu; LED predné svetlo; inteligentný LCD displej; ovládanie rýchlosti.

Skontrolujte úplnosť a nepoškodenie balenia

Balenie obsahuje hlavný celok e-bicykla (rám, predné/zadné koleso, prevody a reťaz, predné/zadné brzdy, batériu na ráme a zadný blatník); modul riadidiel s kľúčmi, brzdovými káblami, vodičmi, pákami, radením, plynom a displejom; sedlo s tyčou; náradie, jednu nabíjačku, pár pedálov a návod.

Pred odoslaním je tlak v pneumatikách znížený. Pred jazdou skontrolujte tlak. Pre pneumatiky 20"x4.0":
About 25 - 30 PSI.

Montáž - krok 1: pripojenie riadidiel

Postavte bicykel na stojan. Zdvihnite a zaistite stĺpik riadenia, vložte doň predstavec riadidiel. Vidlica musí smerovať dopredu; predstavec vložte úplne a zaistite horným rýchlopínaním.

Montáž - krok 2: sedlo a pedále

Vložte tyč sedla do sedlovej trubky a utiahnite integrovanou pákou. Namontujte pedál na každú stranu kľuky; rozlišujte ľavý a pravý pedál a utiahnite viacúčelovým náradím. Dodržte označenie L a R.



Dokončenie montáže a nabíjanie

Nafúkajte pneumatiky na správny tlak. Skontrolujte všetky upevnenia, krátko sa prevezte a podľa potreby nastavte výšku riadidiel, výšku a sklon sedla.

Krok 3 - nabíjanie: pripojte napájací kábel k nabíjačke a do zásuvky; menší konektor zasunúť do nabíjacieho portu batérie. Batéria má byť počas nabíjania VYPNUTÁ. LED nabíjačky svieti ČERVENO pri nabíjaní a ZELENO po dokončení. Potom odpojte kábel a uzavrite port gumovou krytkou.

Teraz môžete začať používať e-bicykel.

Obsluha nového e-bicykla

Zapnutie: I. otočte zámok batérie proti smeru hodinových ručičiek až na doraz; II. podržte tlačidlo napájania na ľavom riadidle, kým sa nerozsvieti displej; III. šliapte alebo použite plyn. Úroveň 1 je najpomalšia, 5 najrýchlejšia, 0 je režim bez motora.

Motor je v náboji zadného kolesa a napája ho batéria. Bicykel možno používať len s asistenciou šliapania alebo v plnom režime s plynom, ak to povoľujú miestne predpisy.

Prvá jazda: začnite opatrne v otvorenom priestore. V režime PAS motor pomáha pri šliapaní a pri brzdení sa asistencia automaticky vypne. Používajte radenie podľa podmienok.

according to road conditions and pedal, as usual, you will find that you need to exert a lot less effort and the e-bike travels faster and at a more steady speed.

Tempomat, plyn a nabíjanie

Tempomat: podržte +, po rozsvietení symbolu rýchlosti držte plyn 8 sekúnd. Zruší sa brzdením, šliapaním alebo plynom.

Plyn: výkon rastie podľa vychýlenia plynu. Pre spomalenie plyn uvoľnite a podľa potreby brzďte. Pri použití plynu nemusíte šliapať; šliapanie šetrí energiu.

Batériu nabíjajte iba určenou nabíjačkou a pri vypnutej batérii. Nenabíjajte pri horľavinách, deťoch ani dlhodobo bez dozoru. Odporúča sa začať nabíjať pod 20 %. Pri dlhom skladovaní ju plne nabite a dobíjajte každý mesiac. Úplné nabitie trvá približne 6-7 hours; LED sa zmení z RED na GREEN.

battery is completely discharged, it will take about 6-7 hours to be fully recharged. When a battery is fully charged, the LED on the charger will transition from RED to GREEN. At this point, you should disconnect the charger. Do not leave the charger

Vybratie batérie a maximalizácia dojazdu

Vybratie: otvorte kryt nabíjacieho portu a zložte bicykel; vložte kľúč, zatlačte ho a otočte v smere hodinových ručičiek až na doraz; po úplnom zatiahnutí západky batériu vysuňte. Batéria je ťažká - nenechajte ju spadnúť.

Dojazd: pred dlhou cestou batériu plne nabite. Nerovný terén, kopce, časté zmeny rýchlosti a väčšia hmotnosť zvyšujú spotrebu. Udržiavajte správny tlak a čistý, namazaný bicykel; kontrolujte voľný chod kolies a brzdy. Šliapaním predĺžite dojazd. Na rovine alebo z kopca môžete batériu vypnúť.

bicycle so that you can conserve electrical energy stored in the battery.

Inteligentný LCD displej YL81F

1. Názov a model: Inteligentný LCD displej pre elektrický bicykel; model YL81F.

Špecifikácie

2.
 - napájanie 24V/36V/48V
 - menovitý prúd displeja 15mA; maximálny 30mA
 - zvodový prúd po vypnutí <1uA
 - prúd dodávaný regulátoru 50mA
 - prevádzková teplota -20~60°C; skladovanie -30 až 70°C.

Obrázok: fyzické vyhotovenie displeja YL81F.

■ Storage temperature -30 to 70 °C

3. Appearance and Size



Figure 3-1 Physical picture of the YL81F display

Ovládacie tlačidlo K6

Tlačidlá ovládacej jednotky: +, -, zapnutie/vypnutie, svetlo a informácie (i). Rozmery displeja: šírka 59.5mm; celková šírka 86.0mm; bočný rozmer 71.2mm; priemer objímky Φ 31.8mm.

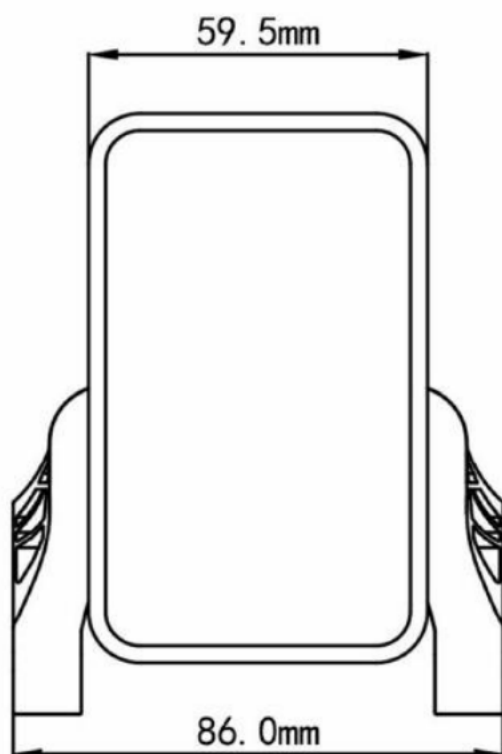


Figure 3-4 90T-V Front View Dimension

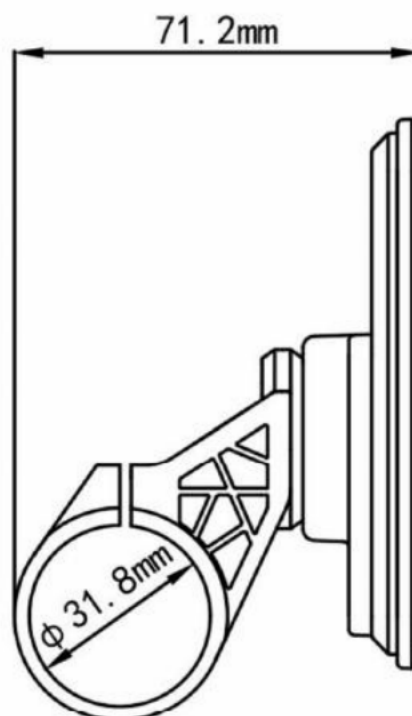


Figure 3-5 90T-V Side View Dimension

4. Inteligentný LCD displej YL81F

4.1 F Funkcie: indikácia stavu batérie, úrovne asistencie PAS, aktuálnej/maximálnej/priemernej rýchlosti, denného a celkového počítadla, režim pomoci pri chôdzi, svetlá, chybové kódy a voliteľne výkon motora, USB, tempomat a Bluetooth. Možno nastaviť priemer kolesa, limit rýchlosti, menovité napätie, PAS, heslo a limit prúdu regulátora; k dispozícii je obnova výrobných nastavení.

Tlačidlá: zapnutie/vypnutie, +, -, svetlo a informácie (i).

controller current limit setting, etc.).

- Factory default parameter recovery function

4.2 Functional areas

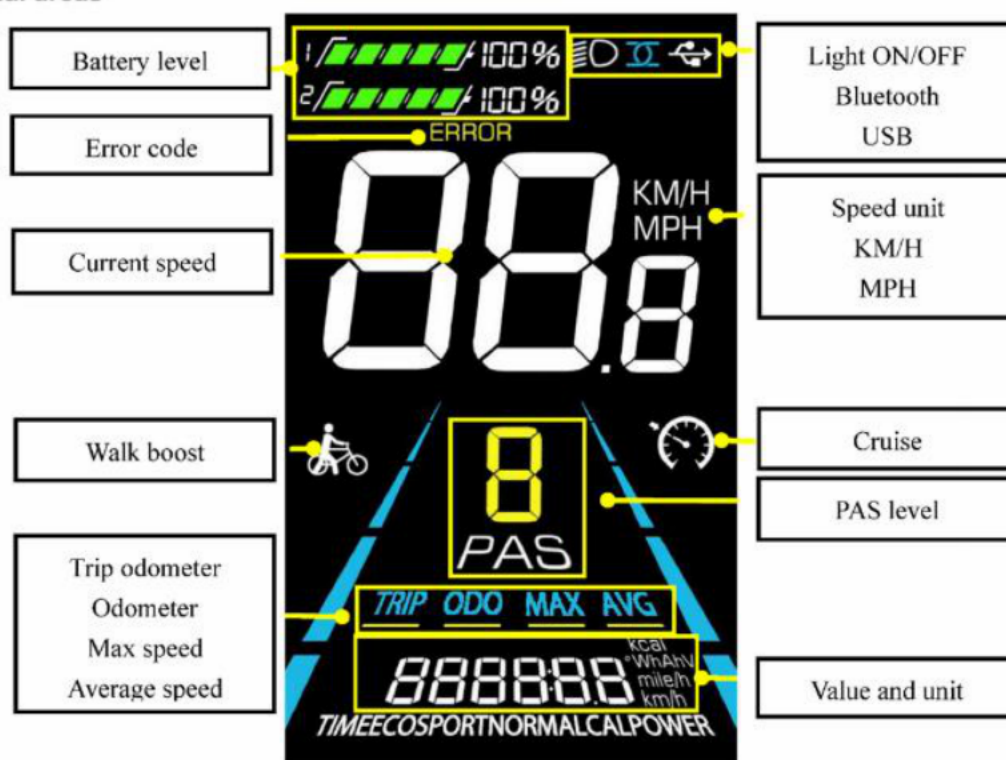


Figure 4-1 YL90T-V functional area distribution interface

4.3 Button definitions

The YL81F display is equipped with five buttons on the corresponding operating unit: power on/off , plus , minus , light  and toggle .

Inteligentný LCD displej YL81F

Kódy chýb: E001 porucha regulátora; E002 porucha komunikácie; E003 porucha Hallovoho snímača; E004 porucha plynu; E005 porucha brzdy; E006 porucha fázy motora. Pre YL-05/KDS/YL-J: E021 prúd, E022 plyn, E023 fáza motora, E024 Hallov snímač, E025 brzda, E030 komunikácia.

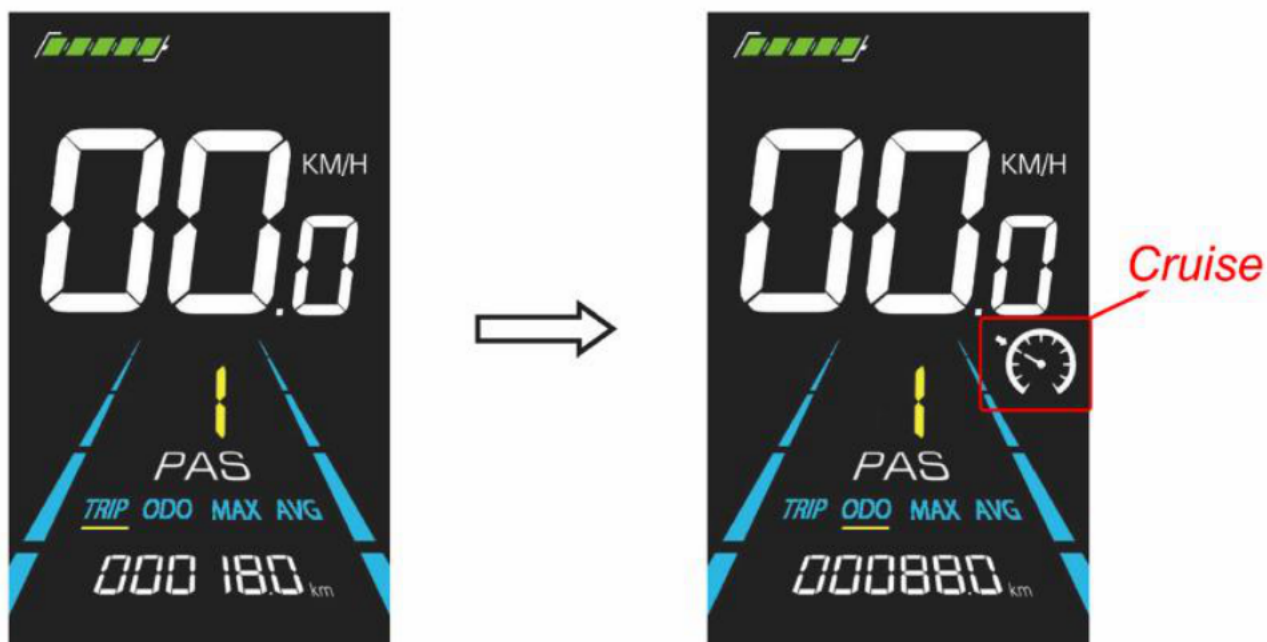
Tempomat: podržte +; zobrazí sa symbol tempomatu. Držte plyn 8 sekúnd pre udržanie rýchlosti.

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

Turn Cruise Control On or Off:

Long press the  button to start cruise control.

The display show the cruise logo.



Twist the throttle for 8 seconds to achieve the fixed speed function

Inteligentný LCD displej YL81F

Bežná obsluha

Podržte tlačidlo napájania na zapnutie/vypnutie displeja. Pri nečinnosti dlhšej než 10 minút sa displej automaticky vypne.

Po zapnutí sa zobrazí aktuálna rýchlosť a denný počítadlo. Krátkym stlačením i prepínate: TRIP, ODO, MAX a AVG.

press **i** to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), and Average Speed (km/h).

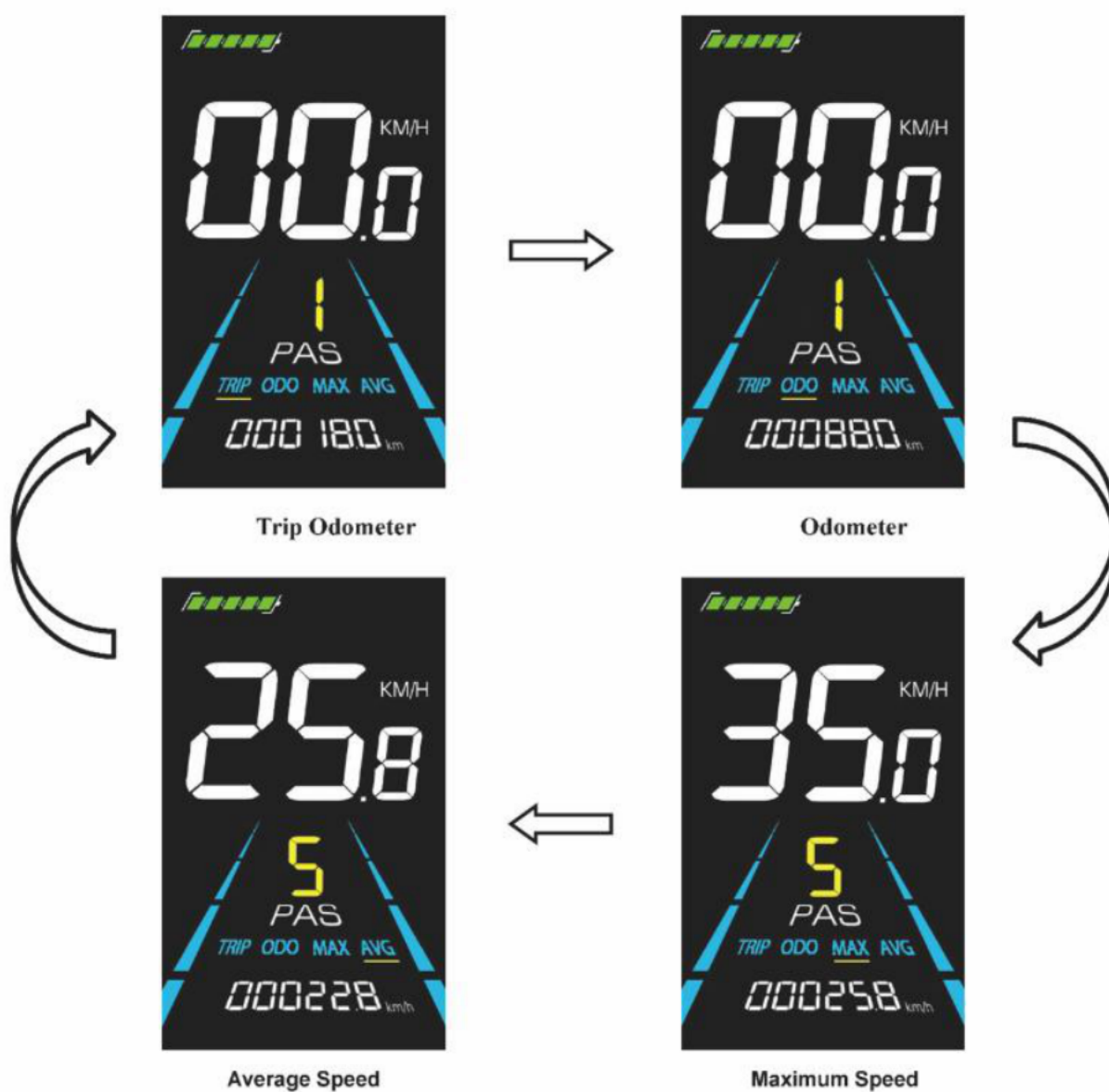


Figure 5-1 Display Interface Switching

Inteligentný LCD displej YL81F

Režim pomoci pri chôdzi: podržte -. Bicykel ide pevnou rýchlosťou 6 km/h; uvoľnením - sa výkon okamžite vypne. Používajte iba pri tlačení bicykla, nikdy počas jazdy.

Svetlá: stlačením tlačidla svetiel ich zapnete a podsvietenie stmavne; opätovným stlačením ich vypnete.



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

Inteligentný LCD displej YL81F

Úroveň PAS: tlačidlami + / - zvolíte úroveň asistencie, čím zmeníte výkon motora. Stav batérie má 5 dielikov; pri plnom nabití svieti všetkých 5. Pri vybití indikátor blinká - batériu čo najskôr nabíte.



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.

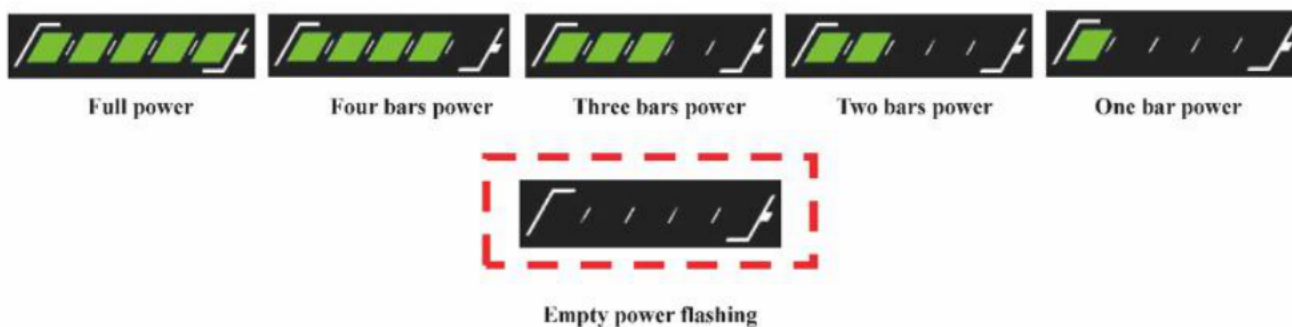


Figure 5-5 Battery Level Display Interface

Inteligentný LCD displej YL81F

Pri poruche elektrického systému sa automaticky zobrazí kód chyby; problém bezodkladne odstráňte, inak bicykel nemusí fungovať normálne.

Nastavenia vykonávajte iba so stojacim bicyklom. Pri zapnutom displeji a rýchlosti 0 podržte + a - viac než 2 s. + / - prepína položky, i otvorí a uloží položku; dlhé i uloží a ukončí.

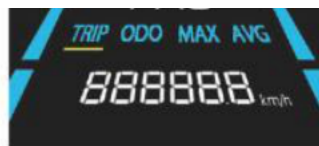


Figure 5-6 Error Code Display

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:

Inteligentný LCD displej YL81F

01P Jednotky: 00 metrické, 01 imperiálne.
02P Menovité napätie: 24V, 36V alebo 48V.

Stlačte **i** pre úpravu, + / - pre výber hodnoty a **i** pre uloženie.

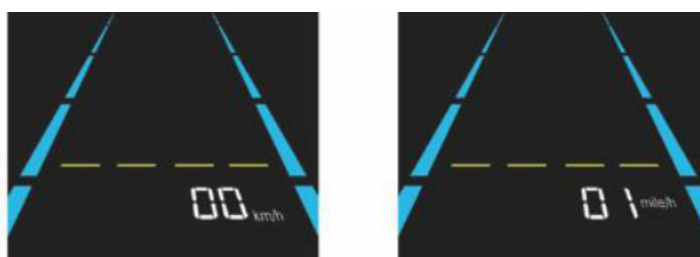


Figure 6-1 Metric and Imperial Units Setting Interface

6.2 Rated voltage setting

02P is the rated voltage setting. The available rated voltage range is: 24V, 36V, 48V.

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 6-2 Rated voltage setting interface

Inteligentný LCD displej YL81F

03P Úrovne PAS: 0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9 alebo 1~9. Rýchlosť každej úrovne možno nastaviť pomerom PAS; napr. rozsah PAS 1 je 45-55 %, predvolená hodnota 50 %.



Figure 6-3 PAS level setting interface

6.3.1 PAS level ratio value setting

To meet different requirements for users, the speed of every level can be adjusted by setting the PAS level ratio value. For example, “45-55%” is the ratio range of PAS 1. The default ratio value of PAS 1 is 50% which is adjustable.

Press the **+** / **-** to select the parameter and press **i** to save the parameter and enter into the next level setting.

Press **i** again to save the settings and return to the personalized parameter setting interface.



Figure 6-4 PAS level ratio value setting interface

Inteligentný LCD displej YL81F

04P Priemer kolesa: nastaviteľný 8~50 inch (pre tento bicykel 20 in).

05P Počet magnetov snímača rýchlosti: 1~15 ks (protokol 5S), 1~63 ks (KDS).

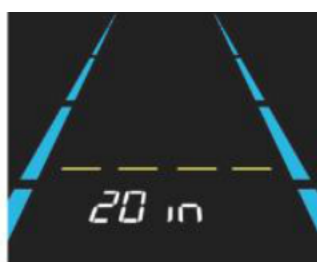


Figure 6-5 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

05P is the speed sensor magnet number setting. The adjustable speed sensor magnet number range is: 1 ~ 15 pcs (5S protocol), 1 ~ 63 pcs (KDS protocol).

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 Number of speed sensor magnets setting interface

Inteligentný LCD displej YL81F

06P Limit rýchlosti: maximálny nastaviteľný limit závisí od protokolu.
07P Limit prúdu regulátora: 1~31.5A.

Hodnoty nemeňte bez znalosti konfigurácie bicykla a miestnych predpisov.

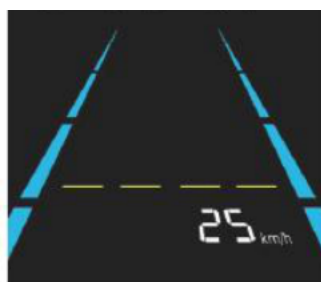


Figure 6-7 Speed limit setting interface

6.7 Controller Current Limit Setting

07P is the controller current limit setting. The adjustable range is: 1~31.5A.

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 Controller current limit setting interface

Inteligentný LCD displej YL81F

08P Snímač PAS. Smer: run-F = dopredný smer, run-b = opačný smer. Citlivosť SCN je 2~9; 2 je najvyššia citlivosť a 9 najnižšia.



Figure 6-9 PAS sensor direction setting interface

6.8.2 PAS sensor sensitivity setting

SCN is the PAS sensor sensitivity setting. The adjustable range is: 2-9. 2 is the highest level sensitivity while 9 is the lowest.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and enter into 6.8.3 PAS magnets number setting interface.



Figure 6-10 PAS sensor sensitivity setting interface

Inteligentný LCD displej YL81F

Počet magnetov snímača PAS: 5~31.

09P Nastavenie plynu. HL-Y zapína režim chôdze plynom a udržiava 6KM/H; HL-N ho vypína, plyn potom môže dosiahnuť maximálnu rýchlosť.



Figure 6-11 Pedal assist sensor magnets setting

6.9 Throttle setting

09P is the throttle setting.

6.9.1 Throttle 6KM/H walk boost setting

HL is the throttle 6KM/H walk boost setting. HL-Y is to enable the walk boost and the speed will maintain at 6KM/H when using throttle. HL-N is to disable the walk boost and it can reach the max speed when using throttle.

Press the **+** / **-** to select the HL-Y and press **i** to save the parameter setting and return to the personalized parameter setting interface.

Press the **+** / **-** to select the HL-N and press **i** to save the parameter setting and enter into 6.9.2 Throttle Level setting interface or long press **i** to return to the personalized parameter setting interface.

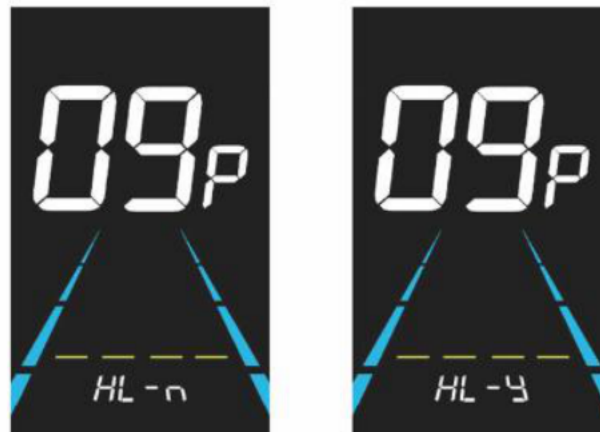


Figure 6-12 Throttle 6KM/H walk boost setting

Inteligentný LCD displej YL81F

Úroveň plynu HF: HF-Y povoľuje, aby maximálna rýchlosť závisela od zvolenej úrovne (0~3 až 1~9). HF-N úroveň plynu nepoužíva a umožní menovitú maximálnu rýchlosť.

10P Heslo pri zapnutí: predvolene nie je aktívne. Aktivujte PSd-y; výrobné heslo je 1212. Zapamätajte si nové štvormiestne heslo.

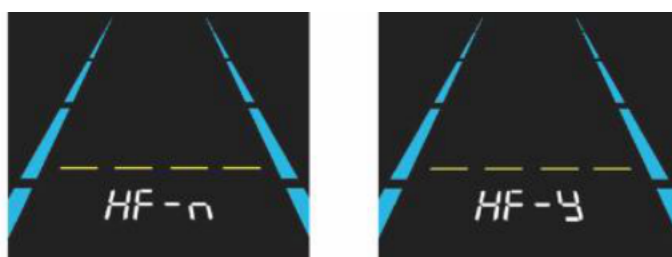


Figure 6-13 Throttle level setting

6.10 Power-on password setting

10P 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.



Remember your password after changing it, or you will not be able to use the meter!



Figure 6-14 Password OFF interface



Figure 6-15 Password Activated interface

Inteligentný LCD displej YL81F

Pri nastavovaní hesla blinká upravovaná číslica. + / - zmení číslicu, i ju uloží a prejde na ďalšiu; dlhé i uloží nastavenie.

11P Automatický spánok: 1~60 min; 00 znamená bez automatického vypnutia. Výrobné nastavenie je 10 minút.

p

p

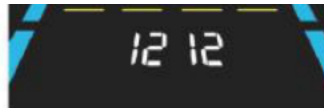


Figure 6-16 Power-on password setting interface

6.11 Auto Sleep Time Setting

11P 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

Inteligentný LCD displej YL81F

Skratky: Obnovenie výrobných nastavení - pri rýchlosti 0 podržte tlačidlo svetiel a + 2 s, vyberte dEF-Y a potvrdte i. Reset denného počítadla: pri rýchlosti 0 podržte - a i 2 s.

8. Quality Assurance and Warranty

8.1 Warranty info

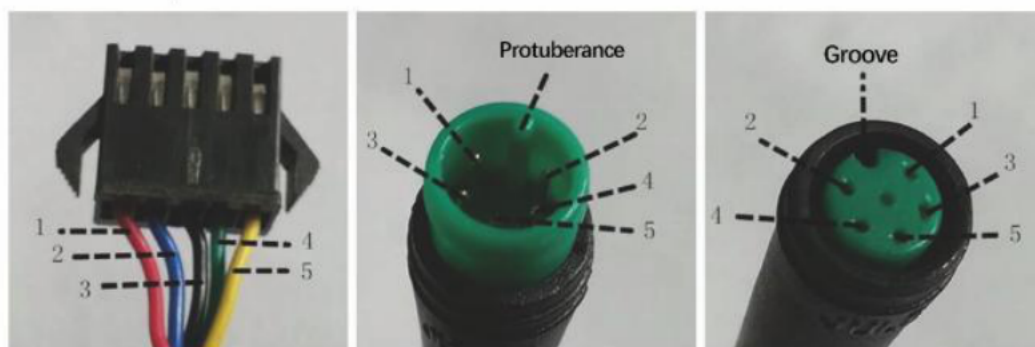
- Yolín will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.
- The product is warranted for 12 months from the date out of factory.

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

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 using 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.

Starostlivosť a údržba nového e-bicykla

Udržiavajte bicykel suchý, čistý a pohyblivé diely mazané. Pred každou jazdou skontrolujte účinnosť brzd.

Je určený pre jednu osobu na bežné cestné používanie. Extrémny terén, skoky alebo nadmerné zaťaženie môžu spôsobiť poškodenie a vážne zranenie. Nečistite vysokotlakovým prúdom. Po daždi alebo snehu bicykel osušte. Nestrácajte oba kľúče a ovládače.

Batéria a nabíjačka: používajte len dodanú nabíjačku; batériu ani nabíjačku neotvárajte, neupravujte, neponárajte a nedávajte k ohňu/korozívnym látkam. Chráňte pred vysokou teplotou a neskratujte póly. Po približne 500 cykloch sa kapacita znižuje. Pri dlhom skladovaní plne nabite a každý mesiac dobite na chladnom mieste.

Bezpečnosť - batéria a nabíjačka

BATÉRIA - UPOZORNENIE

Batériu nehádzte do ohňa ani ju neprehrievajte. Nepripájajte ju k iným spotrebičom. Nabíjajte len predpísanou nabíjačkou. Batériu nerozoberajte ani neupravujte. Kovovými predmetmi nespájajte kladný a záporný pól.

NABÍJAČKA - UPOZORNENIE

Nabíjačku nerozoberajte ani neupravujte. Chráňte pred nárazmi a vodou. Počas nabíjania sa jej nedotýkajte pokožkou dlhý čas; teplota môže dosiahnuť 40°C~60°C(104F~140F). Nezakrývajte ju, umiestnite na pevnú suchú rovnú plochu a neskratujte svorky.

or disconnecting the cables might may result in malfunction, fire or electric shock

VÝSTRAHA

Chráňte batériu pred vodou; polievanie alebo ponorenie môže spôsobiť skrat, prehriatie alebo trvalé poškodenie.

Na kábel ani zástrčku netlačte a neumiestňujte na ne ťažké predmety. Nepoužívajte mokré, špinavé alebo zaprášené zástrčky; vyčistite ich suchou handrou. Zástrčku pevne zasunúť do zásuvky. Pri odpájaní ťahajte za zástrčku, nie za kábel. Nedotýkajte sa mokrými rukami. Chráňte pred deťmi a zvieratami. Pri nabíjaní batérie na bicykli neotáčajte pedálmi. Na nabíjačku nepripájajte napätie nad menovitú hodnotu; používajte iba štandardné napájanie (AC110-240 volts). Nepoužívajte poškodenú nabíjačku, kábel ani zástrčku a nenabíjajte nabíjačkou iného výrobcu/modelu.

Riešenie problémov

E-bicykel sa nezapne: batéria je vypnutá/vybitá, poškodená alebo stará; zlý kontakt displeja; porucha regulátora alebo spínača. Zapnite batériu, plne ju nabite, znovu pripojte displej alebo zverte výmenu batérie/regulátora/spínača servisu.

Nefunguje PAS, radenie, brzda alebo displej: môže ísť o snímač rýchlosti, nesprávne nastavenú prehadzovačku/strmeň, ohnutý kotúč alebo kontakt displeja. Nastavte alebo vymeňte príslušný diel.

Nedá sa nastaviť rýchlosť / rýchlosť je pod 10km/h: nízke napätie batérie, poškodený plyn, zlý kontakt riadenia alebo pružina. Nabite batériu alebo zabezpečte opravu.

Nedostatočný dojazd: nízky tlak, porucha nabíjačky/regulátora, batéria, protivietor, kopce, zlá cesta, nadváha, časté brzdenie alebo nízka teplota. Skontrolujte tlak, nabíjačku a servis; batériu ohrejte nad 0°C (32°F).

Náboj sa po zapnutí netočí: skontrolujte pripojenie batérie, vodiče, konektor náboja a ochrannú dosku batérie.

	battery is broken	
--	-------------------	--



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VITILAN EBIKE

Üzemeltetési és karbantartási kézikönyv
www.vitilanebike.com



TARTALOMJEGYZÉK

Fontos tudnivalók P1 • Modellek és képek P2 • Műszaki adatok P3 • Biztonság és jogszabályi megfelelés P4 • Az új e-kerékpár összeszerelése P5-P9 • Üzemeltetés P10-P12 • Intelligens LCD műszer P13-P30 • Karbantartás P31 • Biztonság P32-P33 • Hibaelhárítás P34

MEGJEGYZÉS: Ez nem részletes szerviz-, javítási vagy karbantartási kézikönyv. Forduljon szakképzett szerelőhöz.

FONTOS TUDNIVALÓK

Az elektromos kerékpár használatakor mindig tartsa be az alapvető biztonsági előírásokat. Olvassa el az összes utasítást. A vezetéket, csatlakozókat és az e-kerékpárt ne merítse vízbe vagy más folyadékba. Gyermek közelében felügyelet szükséges. Töltésen kívül és tisztítás előtt húzza ki a csatlakozót. Sérült kábel, csatlakozó vagy hibás/sérült kerékpár esetén ne használja; vigye felhatalmazott szervizbe. Csak a gyártó által javasolt tartozékot használjon. Esőben vagy hóban gondoskodjon a víz elleni védelemről. A kábelt tartsa távol hőforrásoktól. Először az akkumulátorhoz, utána a fali aljzathoz csatlakoztasson. Csak rendeltetésszerűen használja.

Ez általános kézikönyv; a VITILAN módosíthatja a termékeket és a kialakítást.

MODELL: V3 2.0



Műszaki adatok

- MODELL: V3 2.0
- Váz: alumíniumötvözet
- Tengelytáv: 1117mm
- Sebességváltó: 7 sebességes
- Gumiabroncs mérete: 20" (565mm)
- Emelkedő: 30 degree
- Max. terhelés: 150kg (330 lbs)
- Max. sebesség: 28mph (a tényleges sebesség függ az úttól, időjárástól és a vezető súlyától)
- Teljesítmény: 750W
- Akkumulátor: 48V 13Ah
- Töltő bemenete: 110/220 volt AC
- Akkumulátor üzemi hőmérséklete: 0°to 40° Celsius (32°to 104°Fahrenheit)
- Akkumulátor-élettartam: körülbelül 500 teljes töltési/kisütési ciklus.

Először olvassa el: Biztonság és jogszabályi megfelelés

A közutakra, parkokra és más nyilvános területekre vonatkozó, akkumulátoros kerékpárokra érvényes helyi előírások eltérhetnek; használat előtt ellenőrizze azokat. A kerékpárokra vonatkozó szabályok, például a sisak és a gyermekülés előírásai az e-kerékpárra is vonatkoznak. A lítiumion-akkumulátor könnyebb a régebbi ólom- vagy nikkelalapú akkumulátoroknál.

Első út: nyílt, tágas helyen gyakoroljon. A pedálrágésítés gyorsabban gyorsíthat, mint a hagyományos kerékpár; ne kezdjen erős pedálozással.

Az új e-kerékpár összeszerelése

Összeszeretlen kerékpárt felnőtt vagy szakképzett szerelő felügyeletével szereljen össze. A legtöbb alkatrész már össze van szerelve.

Információ: support@vitilanebike.com • www.vitilanebike.com
Facebook / Instagram / Youtube / Twitter: Vitilanebike



Az e-kerékpár részei

Jelölések: LCD-kijelző, nyereg, hátsó csomagtartó, töltőcsatlakozó, vezérlő, akkumulátor, gyorskioldó, kürt és első lámpa, akkumulátorzár, villa, pedál, sebességérzékelő, lánc, hátsó váltó, széles gumibroncs, tárcsafék és féknyereg.

Kormány: irányjelző gomb; menügomb; mechanikus fék; PVC markolat; kürtgomb; LED fényoszóró; intelligens LCD-kijelző; sebességvezérlő.

Ellenőrizze a csomag teljességét és sértetlenségét

A karton tartalmazza a fő egységet (váz, első/hátsó kerék, hajtás, lánc, első/hátsó fék, akkumulátor a vázon, hátsó sárvédő), a kormányegységet kulcsokkal és vezetékezéssel, nyeret nyeregcsővel, szerszámokat, egy töltőt, egy pár pedált és a kézikönyvet.

Kiszállítás előtt a guminyomást csökkentik. Indulás előtt ellenőrizze. Ajánlott nyomás 20"x4.0" gumihoz: About 25 - 30 PSI.

Összeszerelés - 1. lépés: a kormány felszerelése

Állítsa a kerékpárt a kitámasztóra. Emelje fel és rögzítse a kormányoszlopot, helyezze bele a kormányszárat. A villának előre kell néznie; a szárat teljesen tolja be, majd felül a gyorsrögzítővel húzza meg.

2. lépés: nyereg és pedálok. Helyezze a nyeregcsövet a vázba és rögzítse a karral. Szerelje fel a pedálokat; különböztesse meg a bal és jobb oldalt, és szerszámmal húzza meg. Kövesse az L és R jelölést.



Összeszerelés befejezése és töltés

Fújja a gumiabroncsokat megfelelő nyomásra. Ellenőrizze a rögzítéseket, végezzen rövid próbautat, és szükség szerint állítsa a kormányt és a nyeret.

3. lépés - töltés: csatlakoztassa a tápkábelt a töltőhöz és a fali aljzathoz; a kisebb csatlakozót az akkumulátor töltőaljzatába. Töltés alatt az akkumulátor legyen KIKAPCSOLVA. A töltő LED-je RED töltés közben, GREEN teljes töltésnél. Húzza ki és tegye vissza a gumisapkát.

Az új e-kerékpár használata

Bekapcsolás: I. fordítsa az akkumulátorzárat ütközésig az óramutató járásával ellentétesen; II. tartsa nyomva a bal kormányon a bekapcsológombot, amíg a kijelző fel nem gyullad; III. pedálozzon vagy használja a gázkart. Az 1. szint a leglassabb, az 5. a leggyorsabb, a 0 motor nélküli mód.

A hátsó kerékagyban lévő motort az akkumulátor hajtja. Csak pedálrámegítés vagy a helyi jogszabályok szerint engedélyezett teljes gázüzem használható. Fékezéskor a rásegítés automatikusan megszűnik.

according to road conditions and pedal, as usual, you will find that you need to exert a lot less effort and the e-bike travels faster and at a more steady speed.

Sebességtartó, gázkar és töltés

Sebességtartó: tartsa nyomva a + gombot, majd a sebességikon megjelenése után a gázkart 8 másodpercig. Fékezés, pedálozás vagy gázadás feloldja.

A gázkar kitérésével nő a motorteljesítmény; lassításhoz engedje el és fékezzen. A pedálozás energiát takarít meg.

Csak a megadott töltőt használja, kikapcsolt akkumulátorral, éghető anyagoktól és gyermekektől távol, felügyelet nélkül ne sokáig. 20 percent alatt ajánlott tölteni. Teljes lemerülés után körülbelül 6-7 hours a töltés; a LED RED-ről GREEN-re vált.

battery is completely discharged, it will take about 6-7 hours to be fully recharged. When a battery is fully charged, the LED on the charger will transition from RED to GREEN. At this point, you should disconnect the charger. Do not leave the charger

Az akkumulátor eltávolítása és a hatótáv növelése

Nyissa ki a töltőcsatlakozó fedelét és hajtsa össze a kerékpárt. Helyezze be a kulcsot, nyomja be, fordítsa ütközésig az óramutató járásával megegyezően, majd csúsztassa ki az akkumulátort. Ne ejtse le, mert nehéz.

A hatótávot rontja a rossz út, emelkedő, gyakori gyorsítás/fékezés és nagy terhelés. Teljesen töltse fel hosszú út előtt, tartsa megfelelő nyomáson a gumikat, tisztán és kenve a kerékpárt; pedálozzon. Síkon vagy lejtőn az akkumulátor kikapcsolható.

bicycle so that you can conserve electrical energy stored in the battery.

YL81F intelligens LCD-kijelző

1. Terméknév és modell: intelligens LCD-kijelző elektromos kerékpárhoz; modell: YL81F.

Műszaki adatok

2.
 - tápellátás 24V/36V/48V
 - kijelző névleges árama 15mA; maximális 30mA
 - kikapcsolási szivárgóáram <1uA
 - a vezérlőnek szolgáltatott áram 50mA
 - üzemi hőmérséklet -20~60°C; tárolás -30~70°C.

Ábra: az YL81F kijelző fizikai képe.

■ Storage temperature -30 to 70 °C

3. Appearance and Size



Figure 3-1 Physical picture of the YL81F display

K6 vezérlőgomb

A kezelőegység gombjai: +, -, be/ki, világítás és információ (i). A kijelző méretei: szélesség 59.5mm; teljes szélesség 86.0mm; oldalméret 71.2mm; bilincstátmérő Φ 31.8mm.

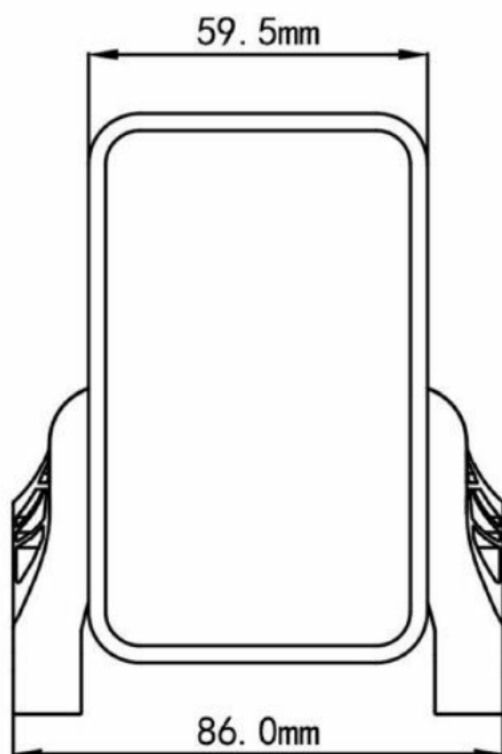


Figure 3-4 90T-V Front View Dimension

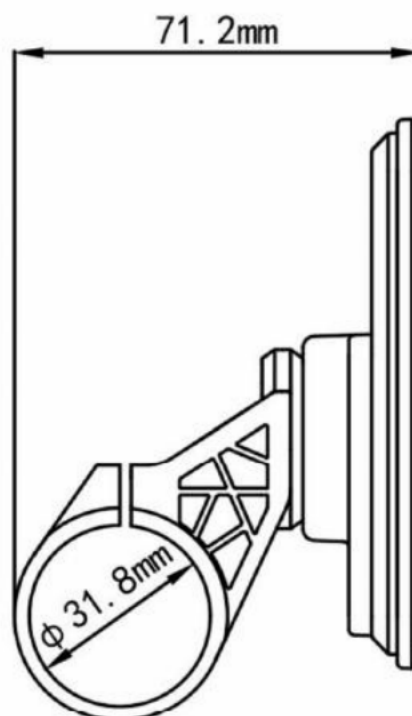


Figure 3-5 90T-V Side View Dimension

4. YL81F intelligens LCD-kijelző

4.1 F Funkciók: akkumulátorszint, PAS ráségítési szint, pillanatnyi/maximális/átlagsebesség, napi és összes kilométer, tolássegéd, világítás, hibakódok, valamint opcionálisan motorteljesítmény, USB, sebességtartó és Bluetooth. Beállítható a keréktátmérő, sebességhatár, névleges feszültség, PAS, jelszó és vezérlőáram-határ; gyári visszaállítás is elérhető.

Gombok: be/ki, +, -, világítás és információ (i).

controller current limit setting, etc.).

- Factory default parameter recovery function

4.2 Functional areas

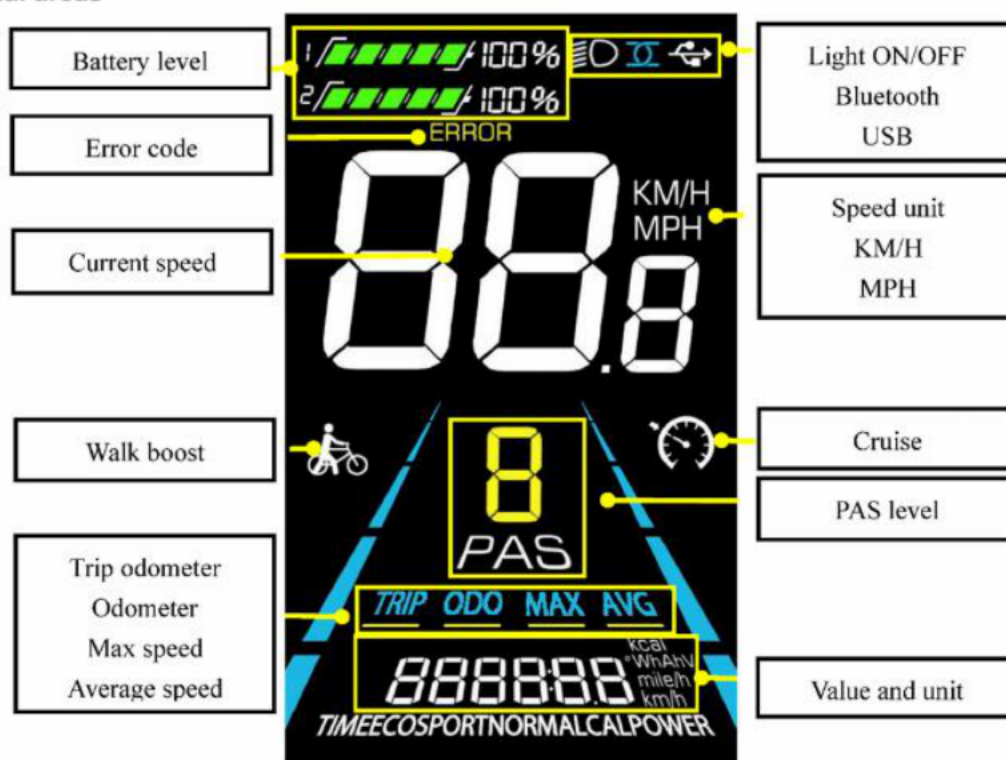


Figure 4-1 YL90T-V functional area distribution interface

4.3 Button definitions

The YL81F display is equipped with five buttons on the corresponding operating unit: power on/off , plus , minus , light  and toggle .

YL81F intelligens LCD-kijelző

Hibakódok: E001 vezérlőhiba; E002 kommunikációs hiba; E003 Hall-érzékelő hiba; E004 gázkarhiba; E005 fékhiba; E006 motorfázis-hiba. YL-05/KDS/YL-J esetén: E021 áramhiba, E022 gázkar, E023 motorfázis, E024 Hall-érzékelő, E025 fék, E030 kommunikáció.

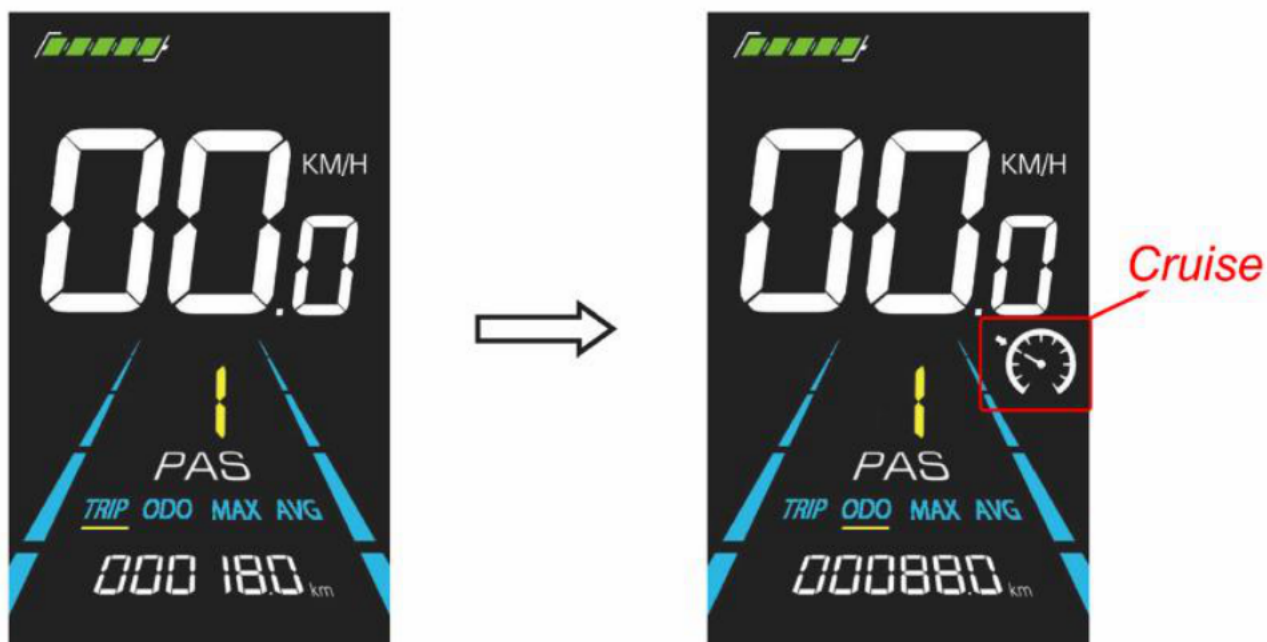
Sebességtartó: tartsa nyomva a + gombot; megjelenik az ikon. Tartsa a gázkart 8 másodpercig.

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

Turn Cruise Control On or Off:

Long press the  button to start cruise control.

The display show the cruise logo.



Twist the throttle for 8 seconds to achieve the fixed speed function

YL81F intelligens LCD-kijelző

Normál használat

A kijelző be-/kikapcsolásához tartsa nyomva a bekapcsológombot. 10 percnél hosszabb tétlenség után automatikusan kikapcsol.

Bekapcsoláskor az aktuális sebesség és a TRIP jelenik meg. Az **i** rövid megnyomásával válthat: TRIP, ODO, MAX, AVG.

press **i** to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), and Average Speed (km/h).

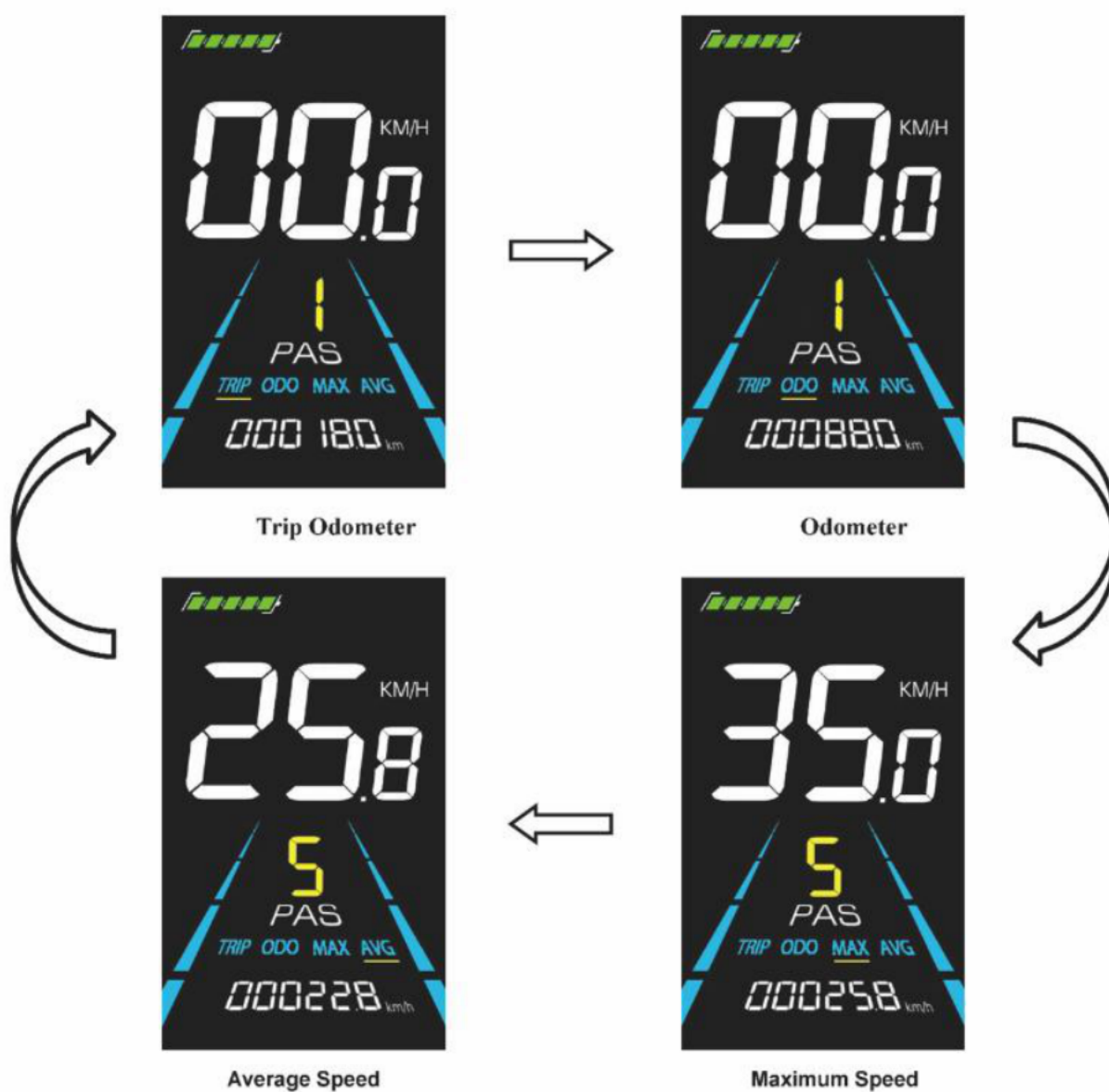


Figure 5-1 Display Interface Switching

YL81F intelligens LCD-kijelző

Tolássegéd: tartsa nyomva a - gombot. A kerékpár rögzített 6 km/h sebességgel halad; a - elengedése azonnal megszünteti a rásegítést. Csak a kerékpár tolásakor használja, menet közben soha.

Világítás: a világításgombbal kapcsolható; a háttérvilágítás elhalványul, újabb megnyomásra visszaáll.



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

YL81F intelligens LCD-kijelző

PAS-szint: a + / - gombokkal válassza ki a rásegítést, ezzel a motorteljesítményt. Az akkumulátor kijelzése 5 sávós; teljes töltésnél mind az 5 világít. Lemerüléskor villog - mielőbb töltsse fel.



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.

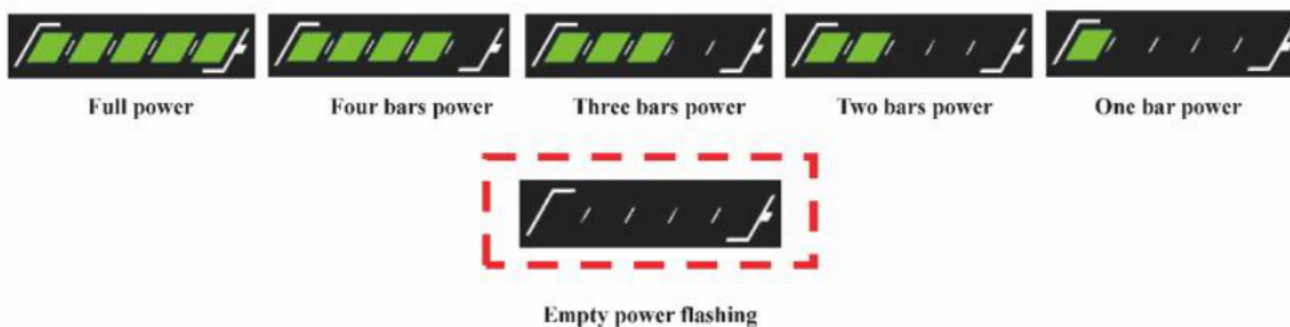


Figure 5-5 Battery Level Display Interface

YL81F intelligens LCD-kijelző

Az elektromos rendszer hibája esetén a kijelző automatikusan hibakódot mutat; a hibát haladéktalanul hárítsa el, különben a kerékpár nem működhet rendesen.

Beállítást csak álló kerékpáron végezzen. Bekapcsolt kijelzőnél és 0 sebességnél tartsa nyomva a + és - gombot több mint 2 s-ig. A + / - vált, az i belép és ment; az i hosszan ment és kilép.



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 press **+** 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:

YL81F intelligens LCD-kijelző

01P Mértékegység: 00 metrikus, 01 angolszász.

02P Névleges feszültség: 24V, 36V vagy 48V.

Az i megnyomásával módosít, + / - értéket választ, i ment.

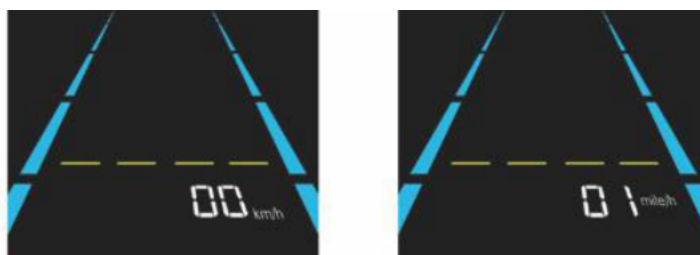


Figure 6-1 Metric and Imperial Units Setting Interface

6.2 Rated voltage setting

02P is the rated voltage setting. The available rated voltage range is: 24V, 36V, 48V.

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 6-2 Rated voltage setting interface

YL81F intelligens LCD-kijelző

03P PAS-szintek: 0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9 vagy 1~9. Az egyes szintek sebessége PAS-aránnyal állítható; például a PAS 1 tartománya 45-55 %, alapértéke 50 %.



Figure 6-3 PAS level setting interface

6.3.1 PAS level ratio value setting

To meet different requirements for users, the speed of every level can be adjusted by setting the PAS level ratio value. For example, “45-55%” is the ratio range of PAS 1. The default ratio value of PAS 1 is 50% which is adjustable.

Press the **+** / **-** to select the parameter and press **i** to save the parameter and enter into the next level setting.

Press **i** again to save the settings and return to the personalized parameter setting interface.



Figure 6-4 PAS level ratio value setting interface

YL81F intelligens LCD-kijelző

04P Kerékátmérő: 8~50 inch között állítható (ehhez a kerékpárhoz 20 in).

05P Sebességérzékelő-mágnesek száma: 1~15 db (5S protokoll), 1~63 db (KDS).

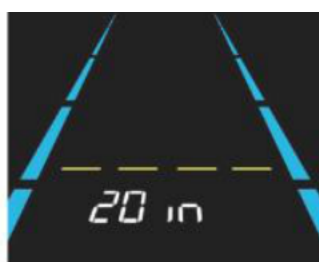


Figure 6-5 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

05P is the speed sensor magnet number setting. The adjustable speed sensor magnet number range is: 1 ~ 15 pcs (5S protocol), 1 ~ 63 pcs (KDS protocol).

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 Number of speed sensor magnets setting interface

YL81F intelligens LCD-kijelző

06P Sebességhatár: a legnagyobb beállítható határ protokollfüggő.
07P Vezérlő áramhatára: 1~31.5A.

Ne módosítsa ezeket a kerékpár konfigurációjának és a helyi előírásoknak ismerete nélkül.

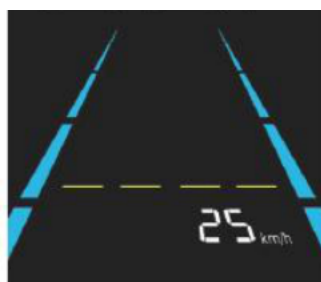


Figure 6-7 Speed limit setting interface

6.7 Controller Current Limit Setting

07P is the controller current limit setting. The adjustable range is: 1~31.5A.

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 Controller current limit setting interface

YL81F intelligens LCD-kijelző

08P PAS-érzékelő. Irány: run-F = előremenet, run-b = ellenkező irány. Az SCN érzékenységi szint 2~9; a 2 a legérzékenyebb, a 9 a legkevésbé érzékeny.



Figure 6-9 PAS sensor direction setting interface

6.8.2 PAS sensor sensitivity setting

SCN is the PAS sensor sensitivity setting. The adjustable range is: 2-9. 2 is the highest level sensitivity while 9 is the lowest.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and enter into 6.8.3 PAS magnets number setting interface.



Figure 6-10 PAS sensor sensitivity setting interface

YL81F intelligens LCD-kijelző

A PAS-érzékelő mágnesek száma: 5~31.

09P Gázkar beállítása. A HL-Y bekapcsolja a 6KM/H tolássegédet; a HL-N kikapcsolja azt, így a gázkar elérheti a legnagyobb sebességet.



Figure 6-11 Pedal assist sensor magnets setting

6.9 Throttle setting

09P is the throttle setting.

6.9.1 Throttle 6KM/H walk boost setting

HL is the throttle 6KM/H walk boost setting. HL-Y is to enable the walk boost and the speed will maintain at 6KM/H when using throttle. HL-N is to disable the walk boost and it can reach the max speed when using throttle.

Press the **+** / **-** to select the HL-Y and press **i** to save the parameter setting and return to the personalized parameter setting interface.

Press the **+** / **-** to select the HL-N and press **i** to save the parameter setting and enter into 6.9.2 Throttle Level setting interface or long press **i** to return to the personalized parameter setting interface.

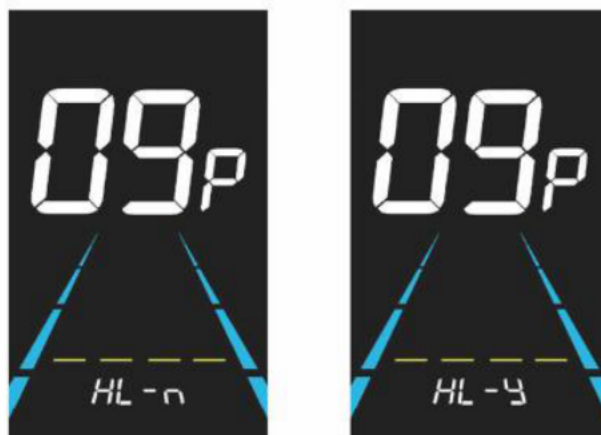


Figure 6-12 Throttle 6KM/H walk boost setting

YL81F intelligens LCD-kijelző

HF gázkar-szint: HF-Y esetén a legnagyobb sebesség a választott szinttől függ (0~3-tól 1~9-ig). HF-N esetén nincs szintkorlátozás, a névleges maximális sebesség elérhető.

10P Indítási jelszó: alaphelyzetben inaktív. PSd-y értékkel aktiválható; gyári jelszó: 1212. Jegyezze meg az új négyjegyű jelszót.

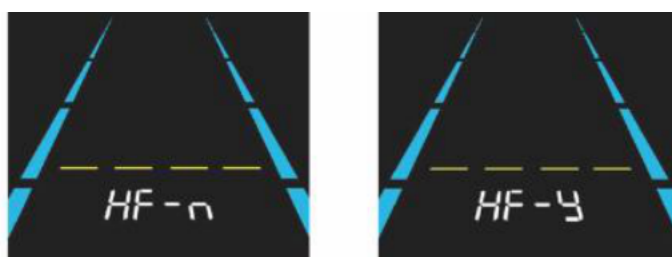


Figure 6-13 Throttle level setting

6.10 Power-on password setting

10P 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.



Remember your password after changing it, or you will not be able to use the meter!



Figure 6-14 Password OFF interface



Figure 6-15 Password Activated interface

YL81F intelligens LCD-kijelző

Jelszó beállításakor a módosítható számjegy villog. + / - módosítja, i ment és a következőre lép; az i hosszan ment.

11P Automatikus alvás: 1~60 min; 00 = nincs automatikus kikapcsolás. Gyári beállítás: 10 perc.

te

p

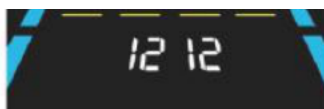


Figure 6-16 Power-on password setting interface

6.11 Auto Sleep Time Setting

11P 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

YL81F intelligens LCD-kijelző

Gyorsműveletek: Gyári értékek - 0 sebességnél tartsa nyomva a világítás gombját és a + gombot 2 s-ig, válassza a dEF-Y értéket, majd i. Napi számláló törlése: 0 sebességnél - és i 2 s-ig.

8. Quality Assurance and Warranty

8.1 Warranty info

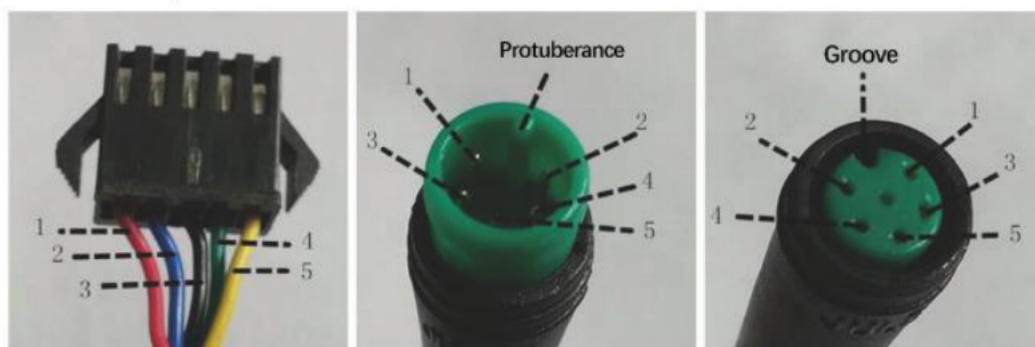
- Yolín will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.
- The product is warranted for 12 months from the date out of factory.

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

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 using 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.

Az új e-kerékpár ápolása és karbantartása

Tartsa a kerékpárt szárazon és tisztán, a mozgó alkatrészeket kenje. Minden használat előtt ellenőrizze a fékeket. Egy személy részére, normál országúti használatra készült; az extrém terep, ugrás vagy túlterhelés károsíthatja. Ne tisztítsa nagynyomású vízzel; eső vagy hó után törölje szárazra.

Csak a mellékelt töltőt használja. Az akkumulátort/töltőt ne nyissa fel, ne módosítsa, ne tegye tűz vagy korrozív anyag közelébe, ne merítse vízbe és ne zárja rövidre. Hőhatástól védje. Használat után a kapacitás csökken; normál körülmények között körülbelül 500 töltési/kisütési ciklus várható. Hosszú tároláskor töltse fel és havonta töltse újra.

Biztonság - akkumulátor és töltő

VIGYÁZAT - AKKUMULÁTOR: Ne dobja tűzbe, ne melegítse túl, ne szerelje szét és ne módosítsa. Ne kapcsolja más készülékhez, és fém tárggyal ne zárja rövidre a pólusokat. Csak az előírt töltővel töltsse.

VIGYÁZAT - TÖLTŐ: Ne szerelje szét és ne módosítsa. Óvja ütéstől és víztől. Töltés közben hosszú ideig ne érintse a bőréhez: 40°C~60°C(104F~140F) hőmérsékletet érhet el. Ne takarja le; szilárd, száraz, sík felületre helyezze, és ne zárja rövidre a csatlakozóit.

or disconnecting the cables, sparks may
result in malfunction, fire or
electric shock

FIGYELMEZTETÉS

Az akkumulátort tartsa távol a víztől; a víz rövidzárlatot, túlmelegedést vagy tartós károsodást okozhat. A kábelt és csatlakozót ne nyomja meg, ne szorítsa be és ne terhelje. Ne használjon nedves, piszkos vagy poros dugaszt. Kihúzáskor a dugaszt, ne a kábelt húzza. Nedves kézzel ne érjen hozzá; tartsa távol gyermekektől és háziállatoktól. Töltés közben ne forgassa a pedálokat. A töltőre ne adjon a névlegesnél nagyobb feszültséget; csak AC110-240 volts szabványos tápellátást használjon. Sérült töltőt, kábelt vagy dugaszt ne használjon, és más gyártmányú/modellű töltővel ne töltsön.

Hibaelhárítás

Nem kapcsol be: az akkumulátor ki van kapcsolva, lemerült, öreg/sérült; rossz a kijelző csatlakozása; hibás a vezérlő vagy kapcsoló. Kapcsolja be/töltse fel, csatlakoztassa újra, illetve forduljon szervizhez.

Nem működik a pedálrásegítés, váltó, fék vagy kijelző: ellenőrizze a sebességérzékelőt, hátsó váltót, féknyerget/tárcsát és a kijelző vezetékét.

Nem állítható a sebesség / 10km/h alatt van: alacsony akkufeszültség, hibás gázkar, vezeték vagy rugó. Töltse fel, javíttassa.

Kicsi a hatótáv: alacsony guminyomás, töltő-/vezérlőhiba, elöregedett akkumulátor, emelkedő, szél, rossz út, nagy tömeg, fékezés vagy alacsony hőmérséklet. Ellenőrizze és melegítse az akkumulátort 0°C (32°F) fölé.

A kerékagy nem forog: ellenőrizze az akkumulátor, vezérlővezeték és kerékagy csatlakozását, illetve az akkumulátor védőlapját.

	battery is broken	
--	-------------------	--



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Manual de utilizare și întreținere
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Asamblarea noii biciclete electrice P5-P9 • Utilizare P10-P12 • Instrument LCD inteligent P13-P30 •
Îngrijire și întreținere P31 • Siguranță P32-P33 • Depanare P34

NOTĂ: Acest manual nu este un manual detaliat de service, reparații sau întreținere. Solicitați ajutorul
unui tehnician calificat.

IMPORTANT

Respectați întotdeauna regulile de bază de siguranță: citiți toate instrucțiunile; nu introduceți cablul, mufele sau bicicleta electrică în apă/lichide; supravegheați copiii; scoateți din priză înainte de curățare și când nu încărcați. Nu utilizați bicicleta cu cablu/mufă deteriorată, după o defecțiune sau deteriorare; apălați la un service autorizat. Nu folosiți accesorii nerecomandate. Protejați bicicleta de apă pe ploaie sau ninsoare. Nu lăsați cablul pe margini sau lângă suprafețe fierbinți și nu îl amplasați lângă arzătoare/cuptoare. Conectați mai întâi mufa la baterie, apoi la priză. Folosiți bicicleta numai conform destinației și păstrați instrucțiunile.

Acesta este un manual general; VITILAN își rezervă dreptul de a modifica produsele și designul.

MODEL: V3 2.0



Specificații

- MODEL: V3 2.0
- Cadru: aliaj de aluminiu
- Ampatament: 1117mm
- Transmisie: tip cu 7 viteze
- Dimensiune anvelopă: 20" (565mm)
- Grad de urcare: 30 degree
- Sarcină max.: 150kg (330 lbs)
- Viteză max.: 28mph (viteza reală depinde de drum, vreme și greutatea ciclistului)
- Putere: 750W
- Capacitate baterie: 48V 13Ah
- Tensiune intrare încărcător: 110/220 volt AC
- Temperatura de funcționare baterie: 0°to 40° Celsius (32°to 104°Fahrenheit)
- Durată baterie: aproximativ 500 cicluri complete de încărcare/descărcare.

Citiți mai întâi: siguranță și conformitate legală

Legile locale pentru biciclete electrice cu baterie, pe drumuri publice, în parcuri și alte zone, pot diferi; verificați-le înainte de utilizare. Regulile generale pentru biciclete, de exemplu cele privind casca și scaunele pentru copii, se aplică și bicicletelor electrice. Bateria litiu-ion este mai ușoară decât bateriile vechi pe bază de plumb sau nichel.

Prima deplasare: exersați într-o zonă liberă. În modul de asistență bicicleta accelerează considerabil mai repede decât una obișnuită; nu începeți cu pedalat puternic.

Asamblarea noii biciclete electrice

Dacă bicicleta a fost livrată neasamblată, asamblați-o sub îndrumarea unui adult sau a unui tehnician calificat. Majoritatea pieselor sunt deja montate.

Informații: support@vitilanebike.com • www.vitilanebike.com
Facebook / Instagram / Youtube / Twitter: Vitilanebike



Componentele bicicletei electrice

Etichete: afișaj LCD, șa, portbagaj spate, port de încărcare, controler, baterie, eliberare rapidă, claxon și lumină față, încuietoare baterie, furcă, pedală, senzor de viteză, lanț, schimbător spate, anvelopă lată, frână cu disc și etrier.

Comenzi ghidon: buton semnalizare; buton meniu; frână mecanică; mâner PVC; buton claxon; far LED; afișaj LCD inteligent; control viteză.

Verificați dacă pachetul este complet și nedeteriorat

Cutia conține corpul principal (cadru, roți, transmisie și lanț, frâne, bateria de pe cadru și apărătoare spate), ansamblul ghidonului cu chei, cabluri, frâne, schimbător, accelerație și afișaj, șaua cu tijă, scule, un încărcător, o pereche de pedale și manualul.

Înainte de expediere, presiunea anvelopelor este redusă. Verificați înainte de mers. Presiune recomandată pentru 20"x4.0": About 25 - 30 PSI.

Asamblare - pasul 1: montați ansamblul ghidonului

Așezați bicicleta pe cric. Ridicați și blocați coloana de direcție, introduceți tija ghidonului. Furca trebuie orientată înainte; introduceți tija complet și strângeți cu eliberarea rapidă de sus.

Pasul 2: șa și pedale. Introduceți tija șei în cadru și fixați cu maneta. Montați câte o pedală pe fiecare parte a brațului; diferențiați pedala stângă de cea dreaptă și strângeți cu unealta. Respectați marcajele L și R.



Finalizarea asamblării și încărcarea

Umflați anvelopele la presiunea corectă. Verificați toate punctele de strângere, faceți o scurtă probă și reglați ghidonul și șaua dacă este necesar.

Pasul 3 - încărcare: conectați cablul de alimentare la încărcător și la priză; introduceți conectorul mic în portul bateriei. Bateria trebuie să fie OPRITĂ la încărcare. LED-ul este RED în timpul încărcării și GREEN la final. Deconectați cablul și puneți capacul de cauciuc.

Utilizarea noii biciclete electrice

Pornire: I. rotiți încuietoarea bateriei până la capăt în sens antiorar; II. țineți apăsat butonul de pornire de pe ghidonul stâng până se aprinde afișajul; III. pedalați sau acționați accelerația. Nivelul 1 este cel mai lent, 5 cel mai rapid, 0 este modul fără motor.

Motorul din butucul roții spate este alimentat de baterie. Bicicleta poate fi configurată pentru asistare la pedalare sau pentru mod cu accelerație, numai dacă legislația locală îl permite. Asistența se oprește automat la frânare.

according to road conditions and pedal, as usual, you will find that you need to exert a lot less effort and the e-bike travels faster and at a more steady speed.

Pilot automat, accelerație și încărcare

Pilot automat: țineți apăsat +, apoi, când apare simbolul de viteză, mențineți accelerația 8 secunde. Se dezactivează prin frânare, pedalare sau accelerație.

Puterea accelerației crește odată cu deplasarea acesteia; pentru încetinire eliberați-o și frânați. Pedalarea economisește energie.

Încărcați numai cu încărcătorul destinat, cu bateria oprită, departe de substanțe inflamabile și copii; nu lăsați mult timp nesupravegheat. Se recomandă încărcarea sub 20 percent. Încărcarea completă durează aproximativ 6-7 hours; LED-ul trece de la RED la GREEN.

battery is completely discharged, it will take about 6-7 hours to be fully recharged. When a battery is fully charged, the LED on the charger will transition from RED to GREEN. At this point, you should disconnect the charger. Do not leave the charger

Scoaterea bateriei și mărirea autonomiei

Deschideți capacul portului de încărcare și pliați bicicleta. Introduceți cheia, apăsați-o și rotiți-o până la capăt în sens orar; după retragerea completă a barei de blocare, glisați bateria afară. Bateria este grea - nu o scăpați.

Drumurile denivelate, pantele, schimbările dese de viteză și greutatea mare consumă mai mult. Încărcați complet înaintea unui drum lung, păstrați presiunea corectă, bicicleta curată și lubrifiată, roțile libere și frânele reglate. Pedalați pentru autonomie mai mare; pe plat sau la coborâre bateria poate fi oprită.

bicycle so that you can conserve electrical energy stored in the battery.

Afișaj LCD inteligent YL81F

1. Denumire și model: afișaj LCD inteligent pentru bicicletă electrică; model YL81F.

Specificații

2.
 - alimentare 24V/36V/48V
 - curent nominal afișaj 15mA; maxim 30mA
 - curent de scurgere la oprire <1uA
 - curent furnizat controlerului 50mA
 - temperatură de funcționare -20~60°C; depozitare -30 până la 70°C.

Figură: aspect fizic al afișajului YL81F.

■ Storage temperature -30 to 70 °C

3. Appearance and Size



Figure 3-1 Physical picture of the YL81F display

Buton de comandă K6

Butoanele unității de comandă: +, -, pornire/oprire, lumină și informații (i). Dimensiuni afișaj: lățime 59.5mm; lățime totală 86.0mm; dimensiune laterală 71.2mm; diametru colier Φ 31.8mm.

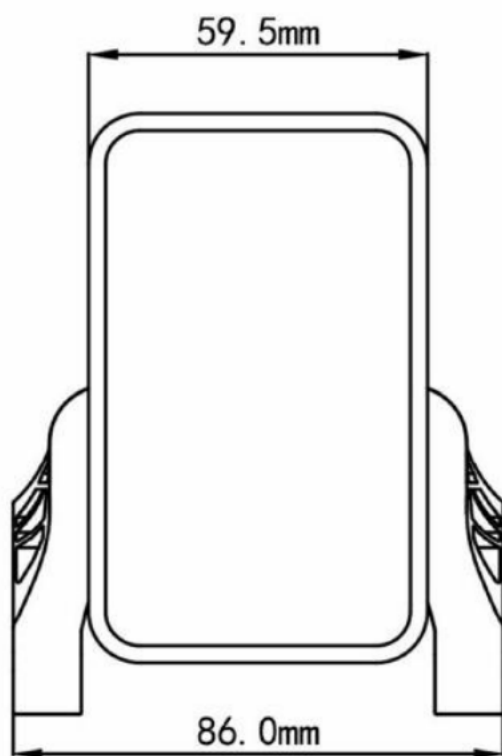


Figure 3-4 90T-V Front View Dimension

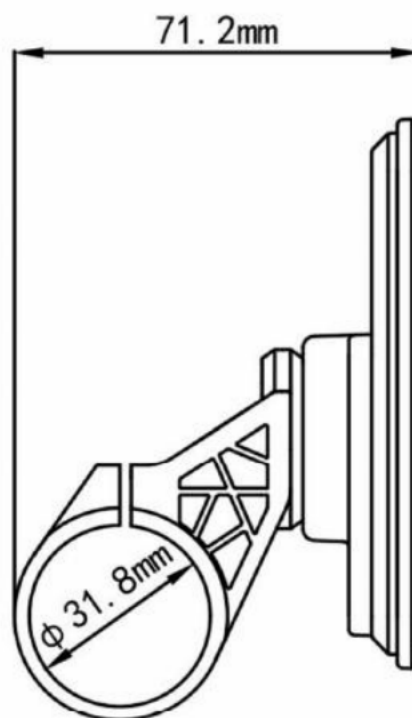


Figure 3-5 90T-V Side View Dimension

4. Afișaj LCD inteligent YL81F

4.1 F Funcții: indicator baterie, nivel asistență PAS, viteză curentă/maximă/medie, contor parțial și total, mod asistență la mers, lumini, coduri de eroare și, opțional, putere motor, USB, pilot automat și Bluetooth. Se pot seta diametrul roții, limita de viteză, tensiunea nominală, PAS, parola și limita de curent a controlerului; este disponibilă revenirea la valorile din fabrică.

Butoane: pornire/oprire, +, -, lumină și informații (i).

controller current limit setting, etc.).

- Factory default parameter recovery function

4.2 Functional areas

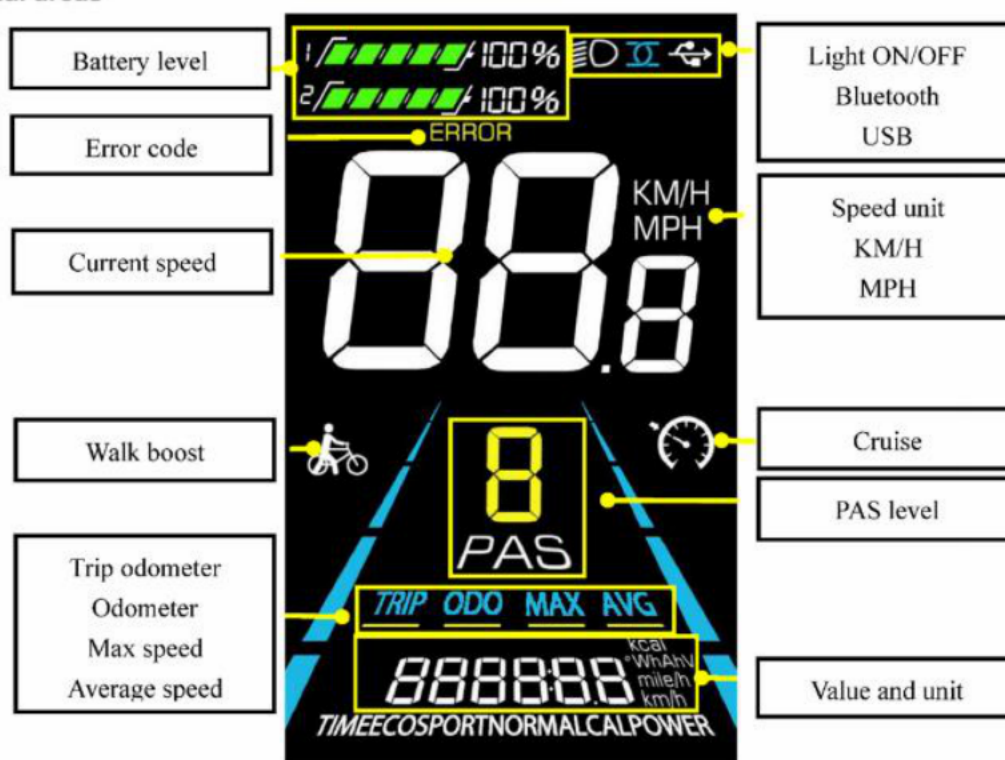


Figure 4-1 YL90T-V functional area distribution interface

4.3 Button definitions

The YL81F display is equipped with five buttons on the corresponding operating unit: power on/off , plus , minus , light  and toggle .

Afișaj LCD inteligent YL81F

Coduri de eroare: E001 defect controler; E002 defect comunicare; E003 defect senzor Hall; E004 defect accelerație; E005 defect frână; E006 defect fază motor. Pentru YL-05/KDS/YL-J: E021 curent, E022 accelerație, E023 fază motor, E024 Hall, E025 frână, E030 comunicare.

Pilot automat: țineți apăsat +; apare simbolul. Mențineți accelerația 8 secunde pentru viteza constantă.

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

Turn Cruise Control On or Off:

Long press the  button to start cruise control.

The display show the cruise logo.



Twist the throttle for 8 seconds to achieve the fixed speed function

Afișaj LCD inteligent YL81F

Utilizare curentă

Țineți apăsat butonul de pornire pentru a porni/opri afișajul. După mai mult de 10 minute fără utilizare, afișajul se oprește automat.

La pornire apar viteza curentă și TRIP. Apăsați scurt i pentru TRIP, ODO, MAX și AVG.

press **i** to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), and Average Speed (km/h).



Figure 5-1 Display Interface Switching

Afișaj LCD inteligent YL81F

Mod asistență la mers: țineți apăsat -. Bicicleta se deplasează cu viteză fixă de 6 km/h; eliberarea lui - oprește imediat puterea. Folosiți numai când împingeți bicicleta, niciodată în mers.

Lumini: apăsați butonul de lumină pentru pornire; iluminarea de fundal se reduce. Apăsați din nou pentru oprire.



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

Afișaj LCD inteligent YL81F

Nivel PAS: selectați cu + / - nivelul de asistență, modificând puterea motorului. Indicatorul bateriei are 5 bare; la încărcare completă sunt aprinse toate 5. Când este descărcată, indicatorul clipește - încărcați bateria cât mai curând.



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.

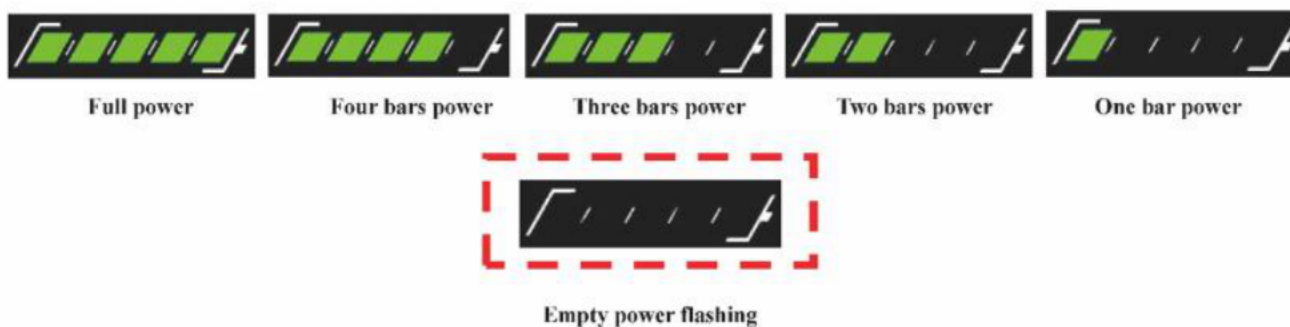


Figure 5-5 Battery Level Display Interface

Afişaj LCD inteligent YL81F

La o defecţiune a sistemului electric se afişează automat un cod de eroare; remediaţi imediat problema, altfel bicicleta poate să nu funcţioneze normal.

Efectuaţi setările numai cu bicicleta oprită. Cu afişajul pornit şi viteza 0, ţineţi + şi - peste 2 s. + / - schimbă opţiunile, i intră şi salvează; i lung salvează şi iese.



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:

Afişaj LCD inteligent YL81F

01P Unități: 00 metric, 01 imperial.

02P Tensiune nominală: 24V, 36V sau 48V.

Apăsați **i** pentru modificare, + / - pentru valoare și **i** pentru salvare.

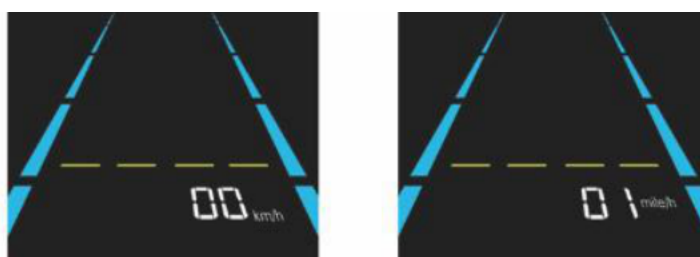


Figure 6-1 Metric and Imperial Units Setting Interface

6.2 Rated voltage setting

02P is the rated voltage setting. The available rated voltage range is: 24V, 36V, 48V.

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 6-2 Rated voltage setting interface

Afișaj LCD inteligent YL81F

03P Niveluri PAS: 0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9 sau 1~9. Viteza fiecărui nivel se reglează prin raportul PAS; de exemplu, domeniul PAS 1 este 45-55 %, iar valoarea implicită este 50 %.



Figure 6-3 PAS level setting interface

6.3.1 PAS level ratio value setting

To meet different requirements for users, the speed of every level can be adjusted by setting the PAS level ratio value. For example, “45-55%” is the ratio range of PAS 1. The default ratio value of PAS 1 is 50% which is adjustable.

Press the **+** / **-** to select the parameter and press **i** to save the parameter and enter into the next level setting.

Press **i** again to save the settings and return to the personalized parameter setting interface.



Figure 6-4 PAS level ratio value setting interface

Afișaj LCD inteligent YL81F

04P Diametru roată: reglabil 8~50 inch (pentru această bicicletă 20 in).

05P Număr magneți senzor de viteză: 1~15 buc. (protocol 5S), 1~63 buc. (KDS).

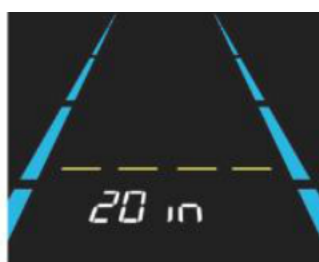


Figure 6-5 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

05P is the speed sensor magnet number setting. The adjustable speed sensor magnet number range is: 1 ~ 15 pcs (5S protocol), 1 ~ 63 pcs (KDS protocol).

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 Number of speed sensor magnets setting interface

Afișaj LCD inteligent YL81F

06P Limită de viteză: limita maximă reglabilă depinde de protocol.
07P Limită curent controller: 1~31.5A.

Nu modificați valorile fără cunoașterea configurației bicicletei și a cerințelor locale.

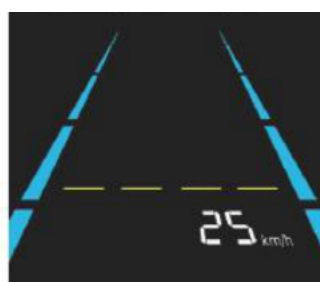


Figure 6-7 Speed limit setting interface

6.7 Controller Current Limit Setting

07P is the controller current limit setting. The adjustable range is: 1~31.5A.

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 Controller current limit setting interface

Afişaj LCD inteligent YL81F

08P Senzor PAS. Direcție: run-F = direcție înainte, run-b = direcție opusă. Sensibilitatea SCN este 2~9; 2 este cea mai mare, iar 9 cea mai mică.



Figure 6-9 PAS sensor direction setting interface

6.8.2 PAS sensor sensitivity setting

SCN is the PAS sensor sensitivity setting. The adjustable range is: 2-9. 2 is the highest level sensitivity while 9 is the lowest.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and enter into 6.8.3 PAS magnets number setting interface.



Figure 6-10 PAS sensor sensitivity setting interface

Afișaj LCD inteligent YL81F

Număr magneți senzor PAS: 5~31.

09P Setare accelerație. HL-Y activează asistența la mers de 6KM/H; HL-N o dezactivează, iar accelerația poate atinge viteza maximă.



Figure 6-11 Pedal assist sensor magnets setting

6.9 Throttle setting

09P is the throttle setting.

6.9.1 Throttle 6KM/H walk boost setting

HL is the throttle 6KM/H walk boost setting. HL-Y is to enable the walk boost and the speed will maintain at 6KM/H when using throttle. HL-N is to disable the walk boost and it can reach the max speed when using throttle.

Press the **+** / **-** to select the HL-Y and press **i** to save the parameter setting and return to the personalized parameter setting interface.

Press the **+** / **-** to select the HL-N and press **i** to save the parameter setting and enter into 6.9.2 Throttle Level setting interface or long press **i** to return to the personalized parameter setting interface.

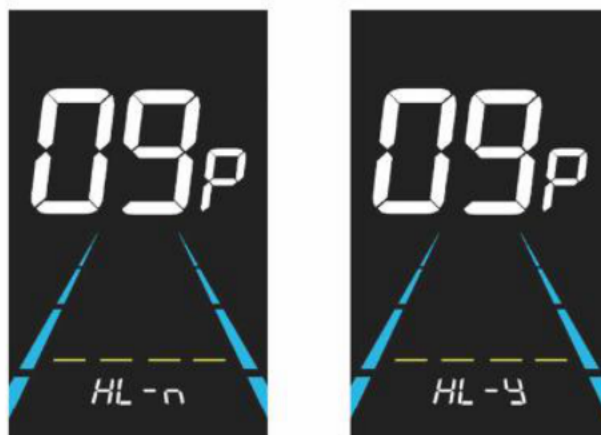


Figure 6-12 Throttle 6KM/H walk boost setting

Afișaj LCD inteligent YL81F

Nivel accelerație HF: HF-Y permite ca viteza maximă să depindă de nivelul selectat (0~3 până la 1~9). HF-N dezactivează limitarea pe nivel și permite viteza maximă nominală.

10P Parolă la pornire: implicit nu este activă. Activați PSd-y; parola din fabrică este 1212. Rețineți noua parolă de patru cifre.

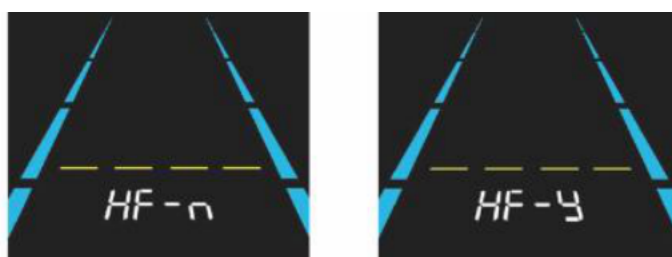


Figure 6-13 Throttle level setting

6.10 Power-on password setting

10P 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.



Remember your password after changing it, or you will not be able to use the meter!



Figure 6-14 Password OFF interface



Figure 6-15 Password Activated interface

Afişaj LCD inteligent YL81F

La setarea parolei cifra editabilă clipeşte. + / - o modifică, i salvează şi trece la următoarea; apăsarea lungă pe i salvează setarea.

11P Oprire automată: 1~60 min; 00 înseamnă fără oprire automată. Setarea din fabrică este 10 minute.

te

p

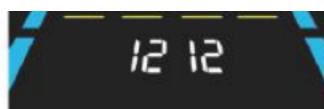


Figure 6-16 Power-on password setting interface

6.11 Auto Sleep Time Setting

11P 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

Afişaj LCD inteligent YL81F

Comenzi rapide: Revenire la fabrică - la viteza 0 țineți apăsat butonul luminii și + timp de 2 s, selectați dEF-Y și confirmați cu i. Resetare TRIP: la viteza 0 țineți - și i timp de 2 s.

8. Quality Assurance and Warranty

8.1 Warranty info

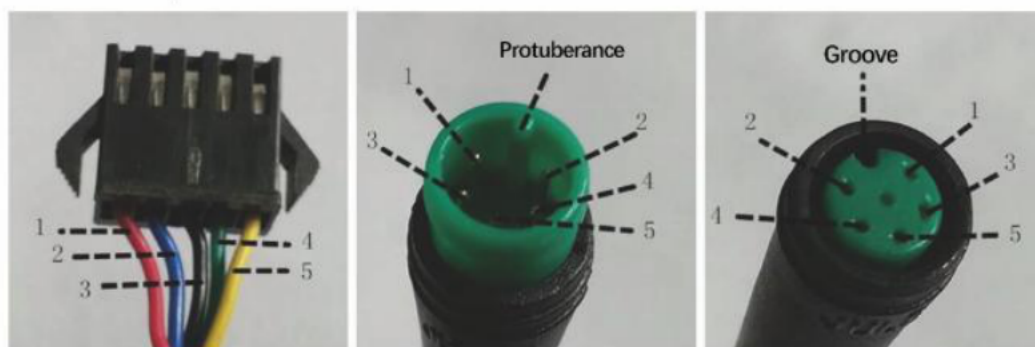
- Yolín will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.
- The product is warranted for 12 months from the date out of factory.

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

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 using 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.

Îngrijirea și întreținerea noii biciclete electrice

Păstrați bicicleta uscată, curată și lubrifiați piesele mobile. Verificați eficiența frânelor înainte de fiecare utilizare. Este destinată unei singure persoane și folosirii normale pe drum; terenul extrem, săriturile sau supraîncărcarea pot provoca deteriorări și răniri. Nu curățați cu jet de apă sub presiune; după ploaie sau zăpadă ștergeți-o uscată.

Folosiți numai încărcătorul furnizat. Nu deschideți/modificați bateria sau încărcătorul, nu le puneți lângă foc ori substanțe corozive, nu le scufundați și nu scurtcircuitați bornele. Protejați bateria de temperaturi ridicate. După utilizare capacitatea scade; în utilizare normală suportă aproximativ 500 cicluri. La depozitare îndelungată, încărcați complet și reîncărcați lunar într-un loc răcoros.

Siguranță - baterie și încărcător

ATENȚIE - BATERIE: Nu aruncați bateria în foc și nu o supraîncălziți. Nu o conectați la alte aparate, nu o demontați/modificați și nu scurtcircuitați bornele cu obiecte metalice. Utilizați numai încărcătorul specificat.

ATENȚIE - ÎNCĂRCĂTOR: Nu îl demontați/modificați; protejați-l de șocuri și apă. Nu îl țineți pe piele perioade lungi în timpul încărcării; poate ajunge la 40°C~60°C(104F~140F). Nu îl acoperiți, așezați-l pe o suprafață fermă, uscată și plană și nu scurtcircuitați bornele.

or covering the status light may result in malfunction, fire or electric shock

AVERTISMENT

Țineți bateria departe de apă; turnarea sau scufundarea poate provoca scurtcircuit, supraîncălzire ori deteriorare permanentă. Nu apăsați, nu striviți și nu încărcați cablul sau mufa. Nu utilizați mufe umede, murdare sau prăfuite; curățați cu o cârpă uscată. Scoateți trăgând de mufă, nu de cablu. Nu atingeți cu mâinile ude și țineți departe de copii și animale. Nu rotiți pedalele în timpul încărcării bateriei montate. Nu aplicați tensiune peste valoarea nominală; utilizați numai AC110-240 volts. Nu utilizați încărcător, cablu sau mufă deteriorate și nu încărcați cu încărcător de la alt producător/model.

Depanare

Bicicleta nu pornește: bateria este oprită, descărcată, uzată sau deteriorată; contact slab al afișajului; defect controler/comutator. Porniți sau încărcați bateria, reconectați afișajul ori solicitați service.

Asistența la pedalare, schimbătorul, frâna sau afișajul nu funcționează: verificați senzorul de viteză, schimbătorul spate, etrierul/discul și cablul afișajului.

Viteza nu se poate regla / este sub 10km/h: tensiune baterie prea mică, accelerație, cablu de comandă sau arc defect. Încărcați sau reparați.

Autonomie insuficientă: presiune scăzută, încărcător/controler defect, baterie uzată, urcări, vânt, drum prost, greutate, frânări dese sau temperatură mică. Verificați și încălziți bateria peste 0°C (32°F).

Butucul nu se rotește: verificați conexiunea bateriei, cablul de control, conexiunea butucului și placa de protecție a bateriei.

	battery is broken	
--	-------------------	--



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OBSAH

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POZNÁMKA: Tento návod ne je podrobnou servisnou, opravárenskou ani údržbovou příručkou. Obrátte sa na kvalifikovaného technika.

DŮLEŽITÉ INFORMACE

Pri používání elektrického bicykla vždy dodržujte základné bezpečnostné opatrenia:

1. Prečítajte si všetky pokyny.
2. Kábel, zástrčky ani elektrokolo neponárajte do vody ani inej kvapaliny - hrozí požiar, úraz elektrickým prúdom nebo zranene.
3. Pri používání deťmi nebo v ich blízkosti je nevyhnutný dozor.
4. Ak nenabíjíte nebo před čištěním, odpojte zariadenie zo zásuvky.
5. Bicykel nepoužívejte s poškozeným káblom/zástrčkou, po poruche ani po poškodení; zverte ho autorizovanému servisu.
6. Nepoužívejte příslušenství, které neodporúča výrobca.
7. Za deště nebo sníhu zabezpečte ochranu před vodou.
8. Nenechávajte kábel visieť cez hranu ani dotýkať sa horúcich povrchov.
9. Neumiestňujte pri horúcom plynovom/elektrickom horáku ani rúre.
10. Najprv pripojte zástrčku k baterii, potom k sieťovej zásuvke.
11. Bicykel používajte jen na určený účel. 12. Pokyny uschovajte.

Ide o všeobecný návod; VITILAN môže meniť výrobky a dizajn.

MODEL: V3 2.0



Technické údaje

- MODEL: V3 2.0
- Konštrukcia rámu: hliníková zliatina
- Rázvor: 1117mm
- Prevodový rozsah: 7-rýchlostný typ
- Veľkosť pneumatiky: 20" (565mm)
- Stúpavosť: 30 degree
- Max. zaťaženie: 150kg (330 lbs)
- Max. rychlost: 28mph (skutočná rychlost závisí od cesty, počasia a hmotnosti jazdca)
- Výkon: 750W
- Kapacita baterie: 48V 13Ah
- Vstupné napätie nabíjčky: 110/220 volt AC
- Prevádzková teplota baterie: 0°to 40° Celsius (32°to 104°Fahrenheit)
- Životnosť baterie: približne 500 úplných cyklov nabitia/vybitia.

Najprv si prečítajte: Bezpečnosť a súlad so zákonom

Blahoželáme k novému e-bicyklu. Pred používaním si pozorne prečítajte túto časť.

- Dodržiavajte predpisy pre batériové bicykle. Právne predpisy pre verejné cesty, parky a iné priestory sa môžu líšiť. Pred jazdou na verejnosti ich overte u miestneho orgánu.
- Dodržiavajte predpisy pre bicykle, napr. prilby a detské sedačky; platia aj pre e-bicykle.
- Lítium-iónová batérie je ľahšia než staršie olovené alebo niklové batérie.
- Prvá jízda: začnite na otvorenom priestore. E-bicykel v asistovanom režime zrýchľuje výrazne rýchlejšie než bežný bicykel; nezačínajte silným šliapaním.

Montáž nového elektrokola

Ak ste bicykel dostali nezmontovaný, montujte ho pod dohľadom dospeléj osoby alebo kvalifikovaného technika. Väčšina dielov je už zmontovaná.

Ďalšie informácie:

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Web: www.vitilanebike.com

Facebook / Instagram / Youtube / Twitter: Vitilanebike



Časti elektrokola

Popisy: LCD displej, sedlo, zadný nosič, nabíjací port, regulátor, baterie, rýchlopúlnane, klaksón a predné svetlo, zámok baterie, vidlica, pedál, snímač rýchlosti, reťaz, zadná prehadzovačka, široká pneumatika, kotúčová brzda a brzdový strmeň.

Ovládače rídítek: smerové svetla; tlačidlo ponuky; mechanická brzda; PVC rukoväť; tlačidlo klaksónu; LED predné svetlo; inteligentný LCD displej; ovládane rýchlosti.

Skontrolujte úplnosť a nepoškodené bajenia

Bajene obsahuje hlavný celok elektrokola (rám, predné/zadné kolo, prevody a reťaz, predné/zadné brzdy, batériu na ráme a zadný blatník); modul riadiťiek s kľúčmi, brzdovými káblami, vodičmi, pákami, radením, plynom a displejom; sedlo s tyčou; náradie, jednu nabíjčku, pár pedálov a návod.

Pred odoslaním je tlak v pneumatikách znížený. Pred jazdou skontrolujte tlak. Pre pneumatiky 20"x4.0":
About 25 - 30 PSI.

Montáž - krok 1: připojení řídítek

Postavte bicykel na stojan. Zdvihnete a zaistíte stěpík řízení, vložte doň představec řídítek. Vidlice musí směřovat dopředu; představec vložte úplně a zaistíte horným rychloupínáním.

Montáž - krok 2: sedlo a pedále

Vložte tyč sedla do sedlové trubky a utiahnete integrovanou pákou. Namontujte pedál na každou stranu kluky; rozlišujte levý a pravý pedál a utiahnete vícúčelovým náradím. Dodržte označení L a R.



Dokončene montáže a nabíjení

Nafúkajte pneumatiky na správny tlak. Skontrolujte všetky upevnenia, krátko sa prevezte a podľa potreby nastavte výšku řídítek, výšku a sklon sedla.

Krok 3 - nabíjení: připojte napájecí kabel k nabíječce a do zásuvky; menší konektor zasuněte do nabíjecího portu baterie. Batéria má byť počas nabíjania VYPNUTÁ. LED nabíječky svítí ČERVENĚ při nabíjení a ZELENĚ po dokončení. Potom odpojte kábel a uzavrite port gumovou krytkou.

Teraz můžete začít používat elektrokolo.

Obsluha nového elektrokola

Zapnutie: I. otočte zámok baterie proti smeru hodinových ručičiek až na doraz; II. podržte tlačidlo napájania na ľavom riadidle, kým sa nerozsvítí displej; III. šliapte nebo použite plyn. Úroveň 1 je najpomalšia, 5 najrýchlejšia, 0 je režim bez motora.

Motor je v náboji zadného kola a napája ho baterie. Bicykel možno používať len s asistenciou šliapania nebo v plnom režimu s plynom, ak to povoľujú miestne predpisy.

Prvá jízda: začnite opatrne v otvorenom priestore. V režimu PAS motor pomáha pri šliapaní a pri brzdení sa asistencia automaticky vypne. Používajte radene podľa podmienok.

according to road conditions and pedal, as usual, you will find that you need to exert a lot less effort and the e-bike travels faster and at a more steady speed.

Tempomat, plyn a nabíjení

Tempomat: podržte +, po rozsvícení symbolu rychlosti držte plyn 8 sekund. Zruší se brzděním, šliapaním nebo plynem.

Plyn: výkon roste podle vychýlení plynu. Pre spomajene plyn uvoľníte a podľa potreby brzdíte. Pri použití plynu nemusíte šliapať; šliapanie šetrí energiu.

Batériu nabíjíte iba určenou nabíječkou a pri vypnutej baterii. Nenabíjíte pri horľavinách, deťoch ani dlouhodobu bez dozoru. Odporúča sa začať nabíjať pod 20 %. Pri dlhúhom skladovaní ju plne nabijte a dobíjajte každý mesiac. Úplné nabitie trvá približne 6-7 hours; LED sa zmení z RED na GREEN.

battery is completely discharged, it will take about 6-7 hours to be fully recharged. When a battery is fully charged, the LED on the charger will transition from RED to GREEN. At this point, you should disconnect the charger. Do not leave the charger

Vybratie baterie a maximalizácia dojazdu

Vybratie: otvorte kryt nabíjacieho portu a zložte bicykel; vložte kľúč, zatlačte ho a otočte v smere hodinových ručičiek až na doraz; po úplnom zatiahnutí západky baterii vysuňte. Batéria je ťažká - nenechajte ju spadnúť.

Dojazd: před dlouhou cestou baterii plně nabijte. Nerovný terén, kopce, časté změny rychlosti a větší hmotnost zvyšují spotřebu. Udržujte správný tlak a čistý, namazaný bicykel; kontrolujte volný chod kolies a brzdy. Šliapaním predĺžite dojezd. Na rovine nebo z kopca můžete baterii vypnúť.

bicycle so that you can conserve electrical energy stored in the battery.

Inteligentní LCD displej YL81F

1. Název a model: Inteligentní LCD displej pro elektrické kolo; model YL81F.

Specifikace

2.
 - napájení 24V/36V/48V
 - jmenovitý proud displeje 15mA; maximální 30mA
 - svodový proud po vypnutí <1uA
 - proud dodávaný řídicí jednotce 50mA
 - provozní teplota -20~60°C; skladování -30 až 70°C.

Obrázek: fyzické provedení displeje YL81F.

■ Storage temperature -30 to 70 ° C

3. Appearance and Size



Figure 3-1 Physical picture of the YL81F display

Ovládací panel K6

Tlačítka ovládací jednotky: +, -, zapnutí/vypnutí, světlo a informace (i). Rozměry displeje: šířka 59.5mm; celková šířka 86.0mm; boční rozměr 71.2mm; průměr objímky Φ 31.8mm.

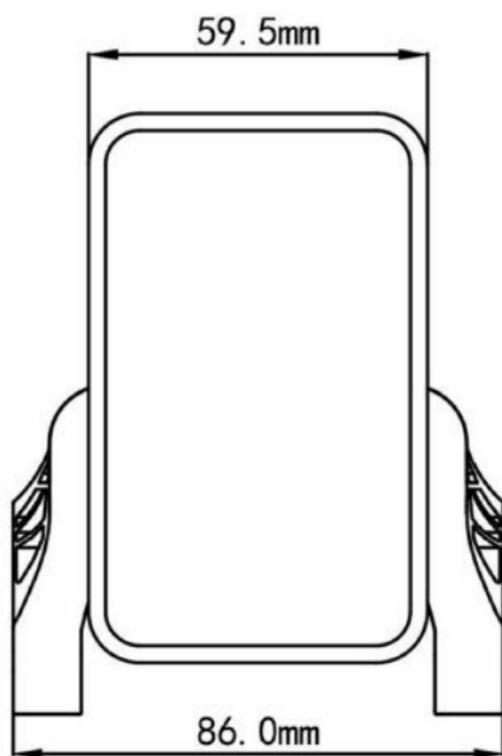


Figure 3-4 90T-V Front View Dimension

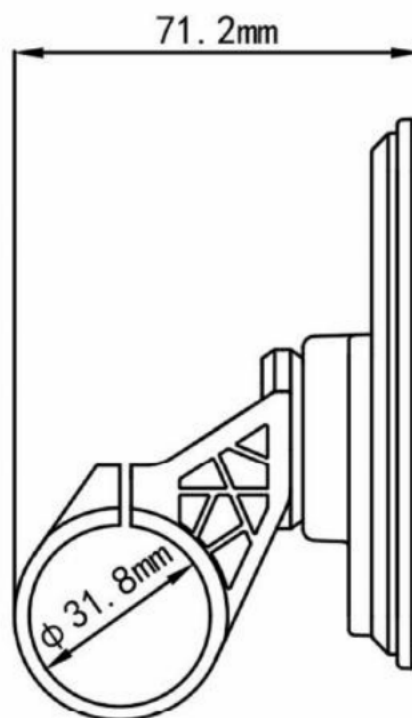


Figure 3-5 90T-V Side View Dimension

4. Inteligentní LCD displej YL81F

4.1 F Funkce: ukazatel baterie, úrovně asistence PAS, aktuální/maximální/průměrné rychlosti, denní a celkové vzdálenosti, režim pomoci při chůzi, světla, chybové kódy a volitelně výkon motoru, USB, tempomat a Bluetooth. Lze nastavit průměr kola, limit rychlosti, jmenovité napětí, PAS, heslo a limit proudu řídicí jednotky; k dispozici je obnovení výrobního nastavení.

Tlačítka: zapnutí/vypnutí, +, -, světlo a informace (i).

controller current limit setting, etc.).

- Factory default parameter recovery function

4.2 Functional areas

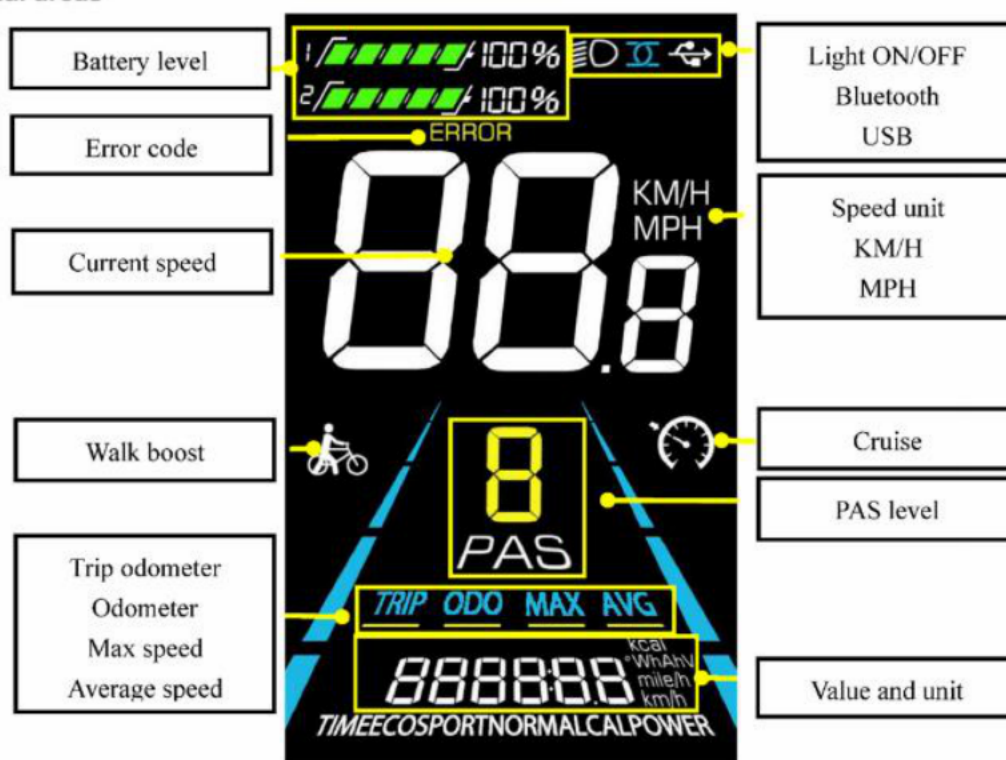


Figure 4-1 YL90T-V functional area distribution interface

4.3 Button definitions

The YL81F display is equipped with five buttons on the corresponding operating unit: power on/off , plus , minus , light  and toggle .

Inteligentní LCD displej YL81F

Chybové kódy: E001 porucha řídicí jednotky; E002 porucha komunikace; E003 porucha Hallova snímače; E004 porucha plynu; E005 porucha brzdy; E006 porucha fáze motoru. Pro YL-05/KDS/YL-J: E021 proud, E022 plyn, E023 fáze motoru, E024 Hallův snímač, E025 brzda, E030 komunikace.

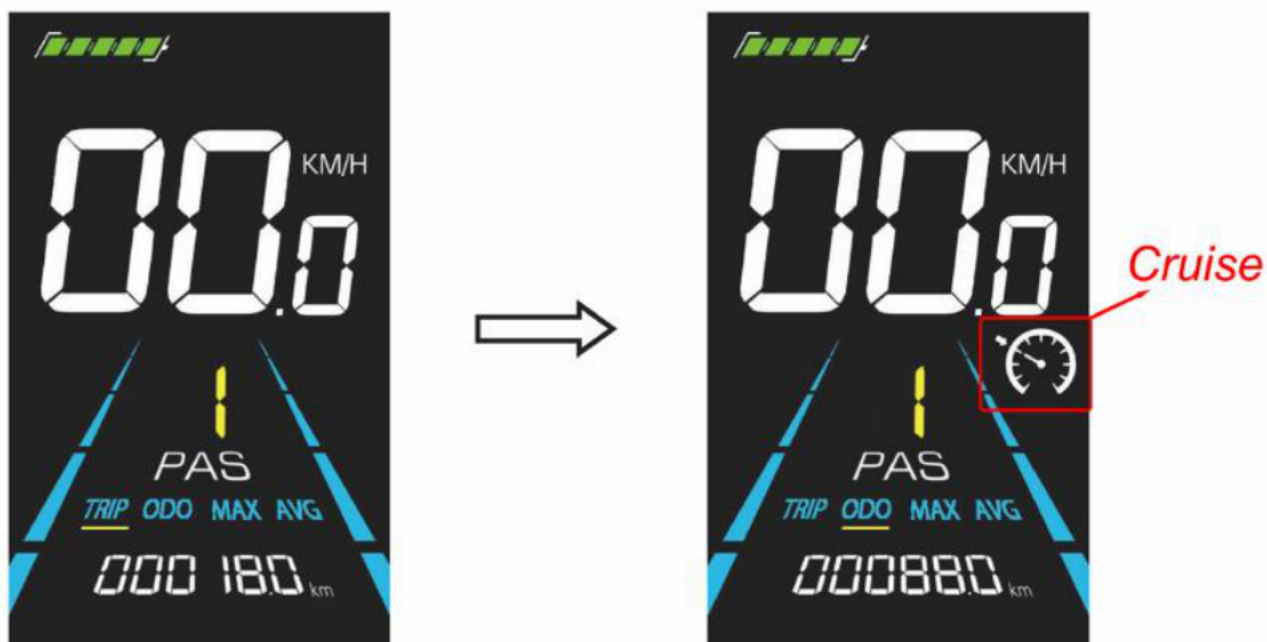
Tempomat: podržte +; zobrazí se symbol tempomatu. Držte plyn 8 sekund pro udržení rychlosti.

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

Turn Cruise Control On or Off:

Long press the  button to start cruise control.

The display show the cruise logo.



Twist the throttle for 8 seconds to achieve the fixed speed function

Inteligentní LCD displej YL81F

Běžné ovládání

Podržte tlačítko napájení pro zapnutí/vypnutí displeje. Při nečinnosti delší než 10 minut se displej automaticky vypne.

Po zapnutí se zobrazí aktuální rychlost a denní počítadlo. Krátkým stiskem i přepínáte: TRIP, ODO, MAX a AVG.

press **i** to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), and Average Speed (km/h).

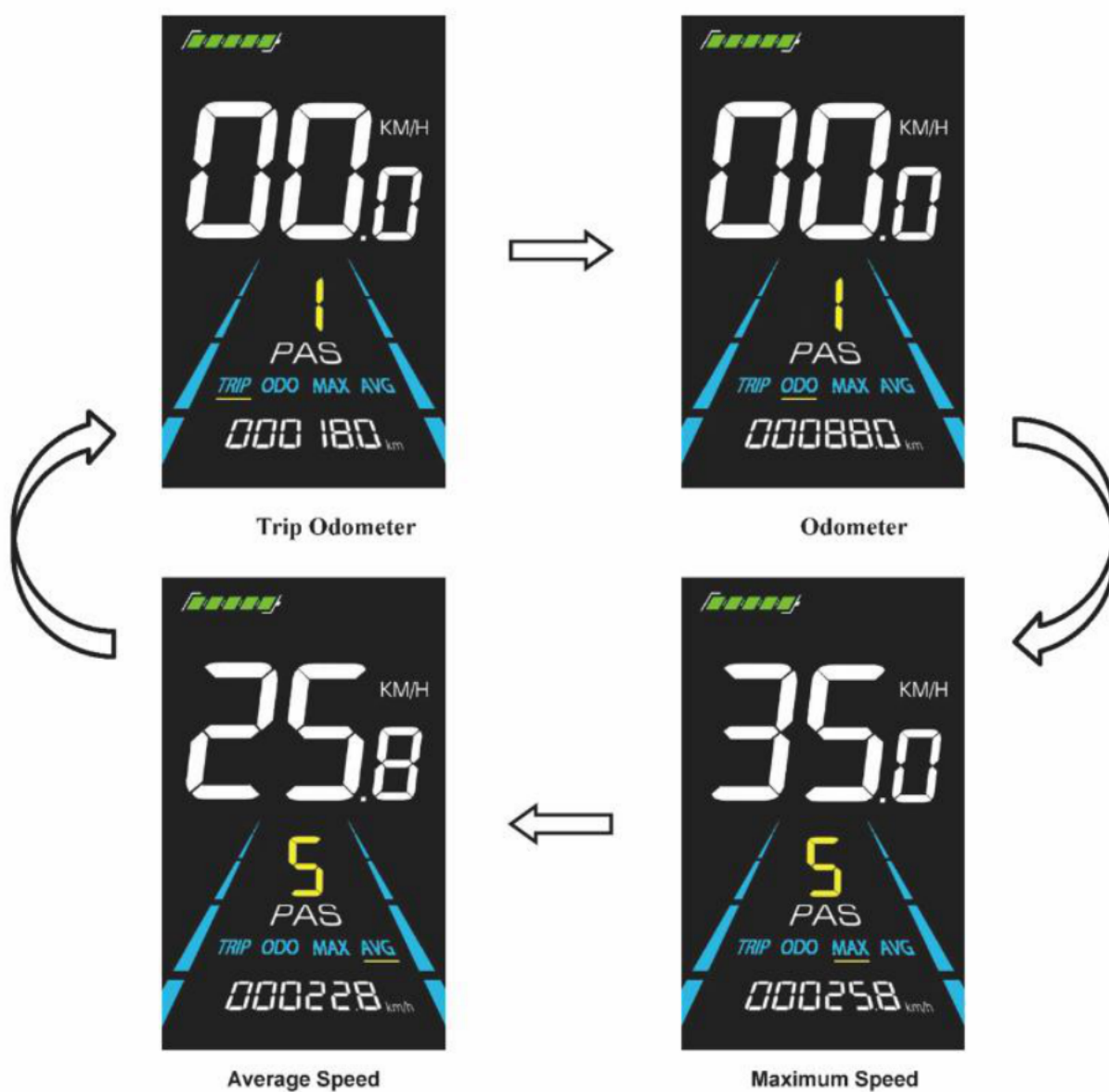


Figure 5-1 Display Interface Switching

Inteligentní LCD displej YL81F

Režim pomoci při chůzi: podržte -. Kolo jede pevnou rychlostí 6 km/h; uvolněním - se výkon ihned vypne. Používejte pouze při tlačení kola, nikdy při jízdě.

Světla: stiskem tlačítka světél je zapnete a podsvícení se ztlumí; dalším stiskem je vypnete.



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

Inteligentní LCD displej YL81F

Úroveň PAS: tlačítka + / - zvolte úroveň asistence, a tím výkon motoru. Stav baterie má 5 dílků; při plném nabití svítí všech 5. Při vybití indikátor bliká - baterii co nejdříve nabijte.



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.

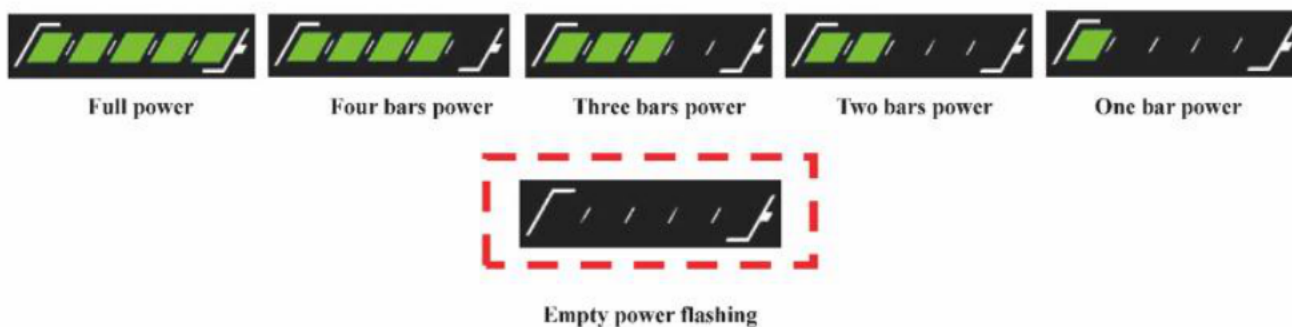


Figure 5-5 Battery Level Display Interface

Inteligentní LCD displej YL81F

Při poruše elektrického systému se automaticky zobrazí chybový kód; závadu ihned odstraňte, jinak kolo nemusí fungovat správně.

Nastavení provádějte pouze se stojícím kolem. Při zapnutém displeji a rychlosti 0 podržte + a - déle než 2 s. + / - přepíná položky, i položku otevře a uloží; dlouhé i uloží a ukončí.



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 press **+** 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:

Inteligentní LCD displej YL81F

01P Jednotky: 00 metrické, 01 imperiální.
02P Jmenovité napětí: 24V, 36V nebo 48V.

Stiskněte **i** pro úpravu, + / - pro volbu hodnoty a **i** pro uložení.

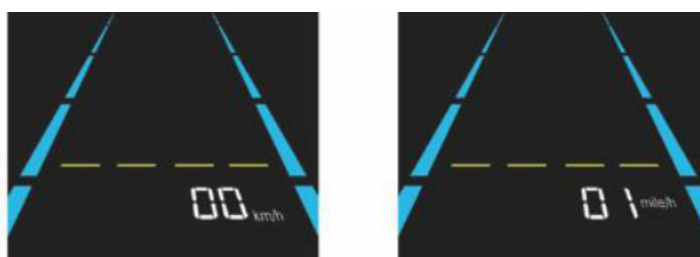


Figure 6-1 Metric and Imperial Units Setting Interface

6.2 Rated voltage setting

02P is the rated voltage setting. The available rated voltage range is: 24V, 36V, 48V.

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 6-2 Rated voltage setting interface

Inteligentní LCD displej YL81F

- 03P Úrovně PAS: 0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9 nebo 1~9. Rychlost každé úrovně lze upravit poměrem PAS; například rozsah PAS 1 je 45-55 %, výchozí hodnota 50 %.



Figure 6-3 PAS level setting interface

6.3.1 PAS level ratio value setting

To meet different requirements for users, the speed of every level can be adjusted by setting the PAS level ratio value. For example, “45-55%” is the ratio range of PAS 1. The default ratio value of PAS 1 is 50% which is adjustable.

Press the **+** / **-** to select the parameter and press **i** to save the parameter and enter into the next level setting.

Press **i** again to save the settings and return to the personalized parameter setting interface.



Figure 6-4 PAS level ratio value setting interface

Inteligentní LCD displej YL81F

04P Průměr kola: nastavitelný 8~50 inch (pro toto kolo 20 in).

05P Počet magnetů snímače rychlosti: 1~15 ks (protokol 5S), 1~63 ks (KDS).

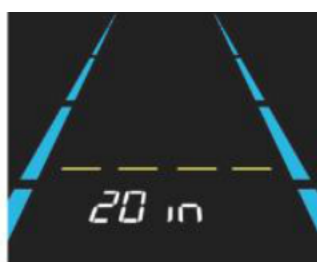


Figure 6-5 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

05P is the speed sensor magnet number setting. The adjustable speed sensor magnet number range is: 1 ~ 15 pcs (5S protocol), 1 ~ 63 pcs (KDS protocol).

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 Number of speed sensor magnets setting interface

Intelligentní LCD displej YL81F

06P Limit rychlosti: maximální nastavitelný limit závisí na protokolu.
07P Limit proudu řídicí jednotky: 1~31.5A.

Hodnoty neměňte bez znalosti konfigurace kola a místních předpisů.

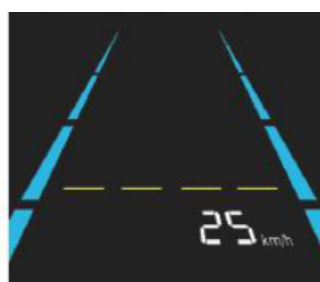


Figure 6-7 Speed limit setting interface

6.7 Controller Current Limit Setting

07P is the controller current limit setting. The adjustable range is: 1~31.5A.

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 Controller current limit setting interface

Inteligentní LCD displej YL81F

08P Snímač PAS. Směr: run-F = směr vpřed, run-b = opačný směr. Citlivost SCN je 2~9; 2 je nejvyšší citlivost a 9 nejnižší.



Figure 6-9 PAS sensor direction setting interface

6.8.2 PAS sensor sensitivity setting

SCN is the PAS sensor sensitivity setting. The adjustable range is: 2-9. 2 is the highest level sensitivity while 9 is the lowest.

Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and enter into 6.8.3 PAS magnets number setting interface.



Figure 6-10 PAS sensor sensitivity setting interface

Inteligentní LCD displej YL81F

Počet magnetů snímače PAS: 5~31.

09P Nastavení plynu. HL-Y zapíná režim chůze plynem a udržuje 6KM/H; HL-N jej vypíná, plyn pak může dosáhnout maximální rychlosti.



Figure 6-11 Pedal assist sensor magnets setting

6.9 Throttle setting

09P is the throttle setting.

6.9.1 Throttle 6KM/H walk boost setting

HL is the throttle 6KM/H walk boost setting. HL-Y is to enable the walk boost and the speed will maintain at 6KM/H when using throttle. HL-N is to disable the walk boost and it can reach the max speed when using throttle.

Press the **+** / **-** to select the HL-Y and press **i** to save the parameter setting and return to the personalized parameter setting interface.

Press the **+** / **-** to select the HL-N and press **i** to save the parameter setting and enter into 6.9.2 Throttle Level setting interface or long press **i** to return to the personalized parameter setting interface.

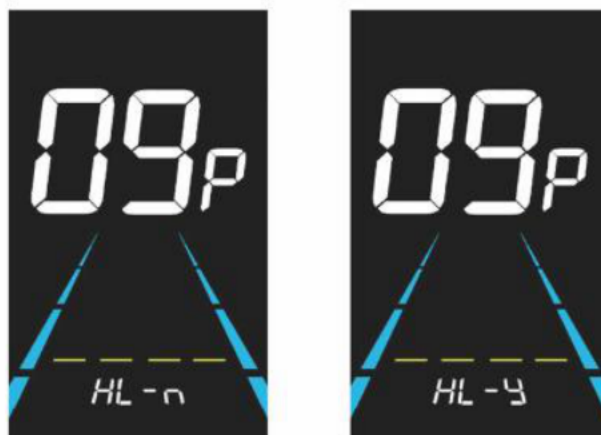


Figure 6-12 Throttle 6KM/H walk boost setting

Inteligentní LCD displej YL81F

Úroveň plynu HF: HF-Y umožňuje, aby maximální rychlost závisela na zvolené úrovni (0~3 až 1~9). HF-N úroveň plynu nepoužívá a umožní jmenovitou maximální rychlost.

10P Heslo při zapnutí: ve výchozím stavu není aktivní. Aktivujte PSd-y; výrobní heslo je 1212. Zapamatujte si nové čtyřmístné heslo.

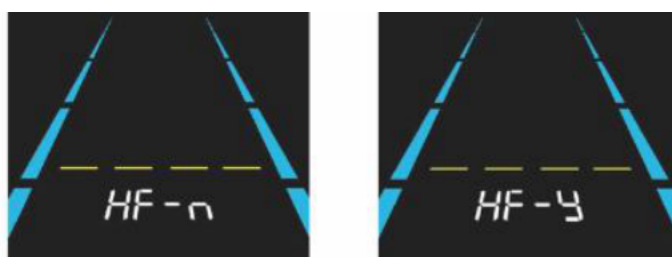


Figure 6-13 Throttle level setting

6.10 Power-on password setting

10P 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.



Remember your password after changing it, or you will not be able to use the meter!



Figure 6-14 Password OFF interface



Figure 6-15 Password Activated interface

Inteligentní LCD displej YL81F

Při nastavování hesla bliká upravovaná číslice. + / - změní číslici, i ji uloží a přejde na další; dlouhé i uloží nastavení.

11P Automatický spánek: 1~60 min; 00 znamená bez automatického vypnutí. Výchozí nastavení je 10 minut.

te

p

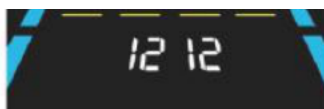


Figure 6-16 Power-on password setting interface

6.11 Auto Sleep Time Setting

11P 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

Inteligentní LCD displej YL81F

Zkratky: Obnovení výrobního nastavení - při rychlosti 0 podržte tlačítko světla a + 2 s, vyberte dEF-Y a potvrďte i. Reset denního počítadla: při rychlosti 0 podržte - a i 2 s.

8. Quality Assurance and Warranty

8.1 Warranty info

● Yolín will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.

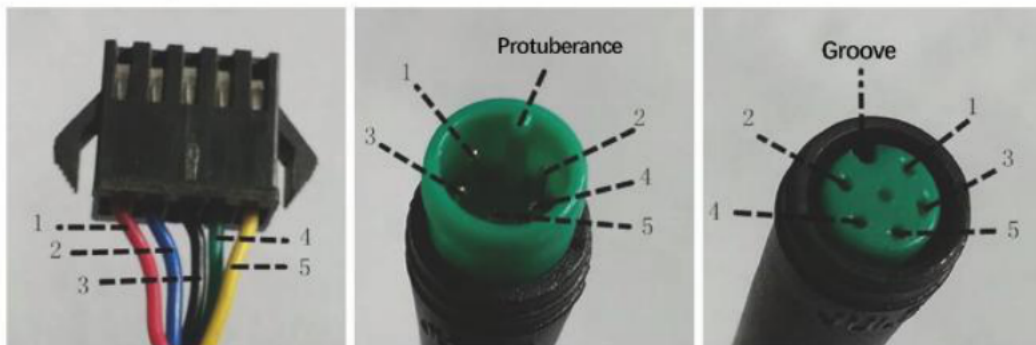
- The product is warranted for 12 months from the date out of factory.

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

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 using 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.

Péče a údržba nového elektrokola

Udržiavajte bicykel suchý, čistý a pohyblivé diely mazané. Pred každou jazdou skontrolujte účinnosť brzd.

Je určený pre jednu osobu na bežné cestné používanie. Extrémny terén, skoky alebo nadmerné zaťaženie môžu spôsobiť poškodenie a vážne zranenie. Nečistite vysokotlakovým prúdom. Po daždi alebo sníhu bicykel osušte. Nestrácajte oba kľúče a ovládače.

Batéria a nabíjčka: používajte len dodanú nabíjčku; batériu ani nabíjčku neotvárajte, neupravujte, neponášajte a nedávajte k ohňu/korozívnym látkam. Chráňte pred vysokou teplotou a nezkratujte póly. Po približne 500 cykloch sa kapacita znižuje. Pri dlhšom skladovaní plne nabijte a každý mesiac dobite na chladnom mieste.

Bezpečnost - baterie a nabíječka

BATÉRIA - UPOZORNENIE

Batériu nehádzte do ohňa ani ju neprehrievajte. Nepripájajte ju k iným spotrebičom. Nabíjajte len predpísanou nabíjčkou. Batériu nerozoberajte ani neupravujte. Kovovými predmetmi nespájajte kladný a záporný pól.

NABÍJAČKA - UPOZORNENIE

Nabíjačku nerozoberajte ani neupravujte. Chráňte pred nárazmi a vodou. Počas nabíjania sa jej nedotýkajte pokožkou dlhý čas; teplota môže dosiahnuť 40°C~60°C(104F~140F). Nezakrývajte ju, umiestnite na pevnú suchú rovnú plochu a nezkratujte svorky.

or disconnecting the power plug may result in malfunction, fire or electric shock

VÝSTRAHA

Chrňte baterii před vodou; polievane nebo ponorene může spôsobiť zkrat, prehriatie nebo trvalé poškodené.

Na kábel ani zástrčku netlačte a neumiestňujte na ne ťažké predmety. Nepoužívejte mokré, špinavé nebo zaprášené zástrčky; vyčistite ich suchou handrou. Zástrčku pevne zasuněte do zásuvky. Pri odpájání ťahajte za zástrčku, ne za kábel. Nedotýkajte sa mokrymi rukami. Chrňte před deťmi a zvieratami. Pri nabíjení baterie na bicykli neotáčajte pedálmi. Na nabíječku nepřipájajte napätie nad menovitú hodnotu; používajte iba štandardné napájane (AC110-240 volts). Nepoužívejte poškodenú nabíječku, kábel ani zástrčku a nenabíjajte nabíječkou iného výrobcu/modelu.

Řešení problémů

E-bicykel sa nezapne: baterie je vypnutá/vybitá, poškodená nebo stará; zlý kontakt displeja; porucha regulátora nebo spínača. Zapnite baterii, plne ju nabijte, znovu pripojte displej nebo zverte výmenu baterie/regulátora/spínača servisu.

Nefunguje PAS, radene, brzda nebo displej: může íst o snímač rychlosti, nesprávně nastavenú prehadzovačku/strmeň, ohnutý kotúč nebo kontakt displeja. Nastavte nebo vymeňte príslušný diel.

Nedá sa nastaviť rychlost / rychlost je pod 10km/h: nízke napätie baterie, poškodený plyn, zlý kontakt řízení nebo pružina. Nabite baterii nebo zabezpečte opravu.

Nedostatočný dojezd: nízky tlak, porucha nabíjíčky/regulátora, baterie, protivietor, kopce, zlá cesta, nadváha, časté brzdene nebo nízka teplota. Skontrolujte tlak, nabíjíčku a servis; baterii ohrejte nad 0°C (32°F).

Náboj sa po zapnutí netočí: skontrolujte pripojene baterie, vodiče, konekter náboja a ochrannú dosku baterie.

	battery is broken	
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