

EBIKEBC YL81F Smart LCD Display For Electric Bicycle User Manual

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EBIKEBC YL81F Smart LCD Display For Electric Bicycle



Product Name and Model Number

Smart LCD for electric bicycle; Model: YL81F.

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°C
- Storage temperature -30 to 70°C

Appearance and Size



Figure 3-1 Physical picture of the YL81F display



Figure 3-2 Physical picture of the K5 control button



Figure 3-3 Physical picture of the K6 control button

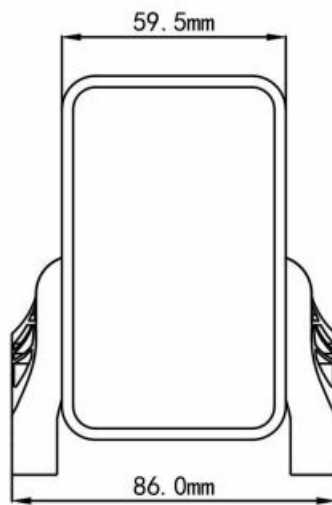


Figure 3-4 90T-V Front View Dimension

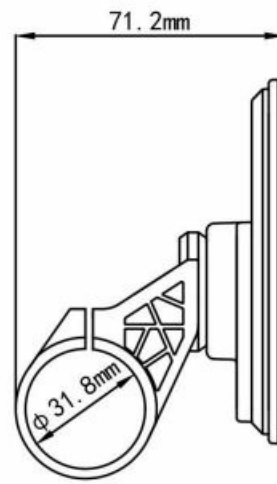


Figure 3-5 90T-V Side View Dimension

Function overview and Functional areas

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, battery power setting and PAS parameter setting, password setting, controller current limit setting, etc.).
- Factory default parameter recovery function

Functional areas

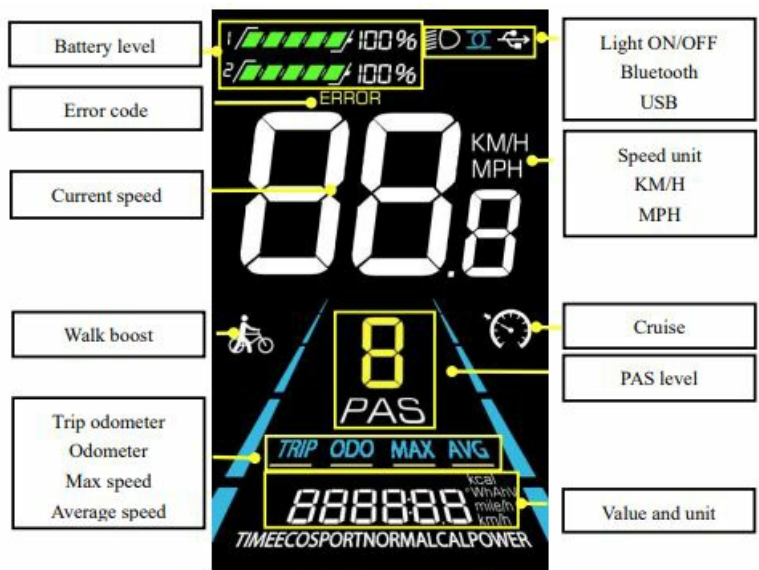


Figure 4-1 YL90T-V functional area distribution interface

Button definitions

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

Routine operation

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.

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).

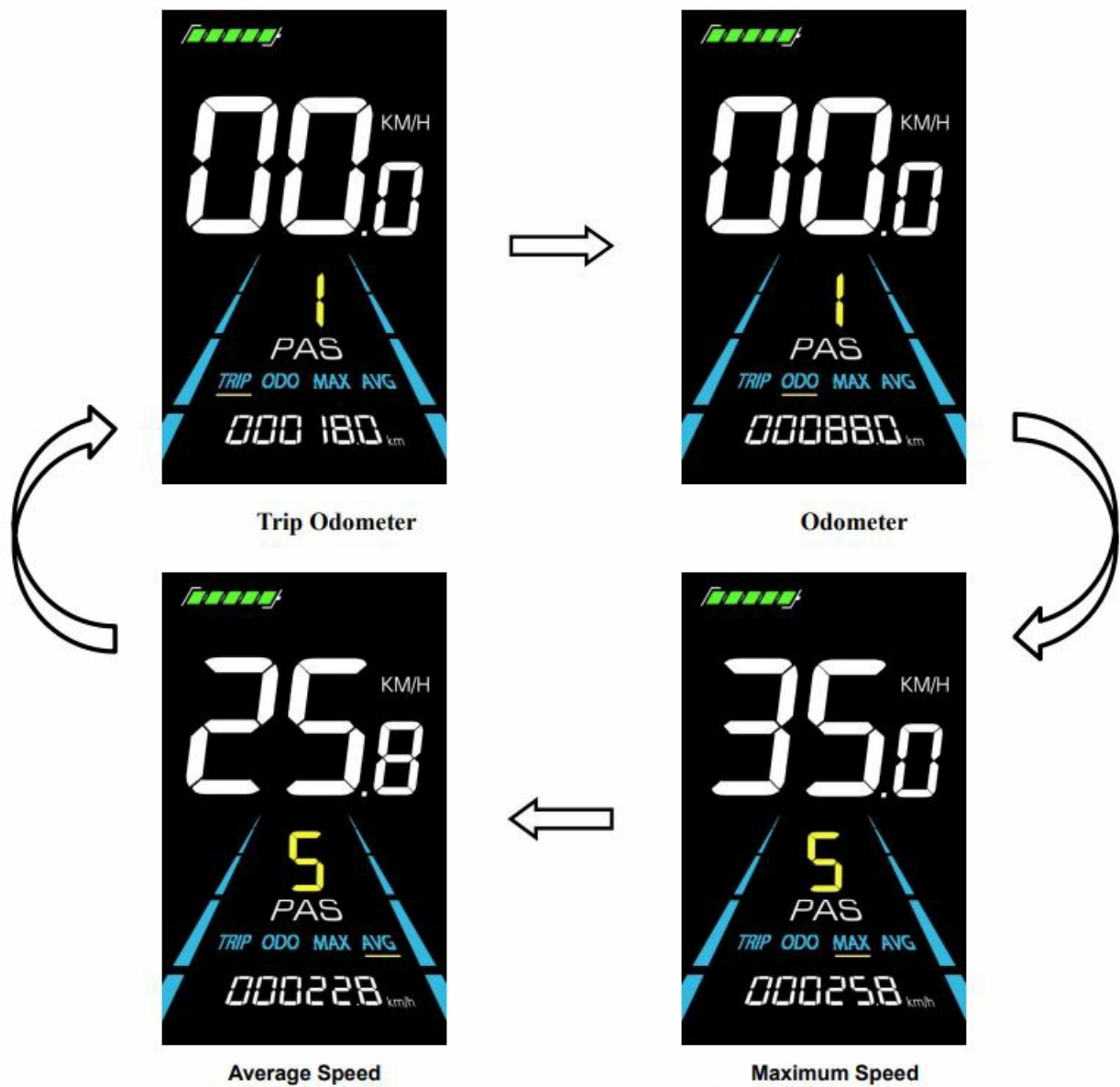


Figure 5-1 Display Interface Switching

Walk boost mode

Long Press and hold – , the electric bicycle enters the walk boost mode. The electric bicycle will walk at a fixed

speed of 6 km per hour and the display shows  . Release – 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.

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.

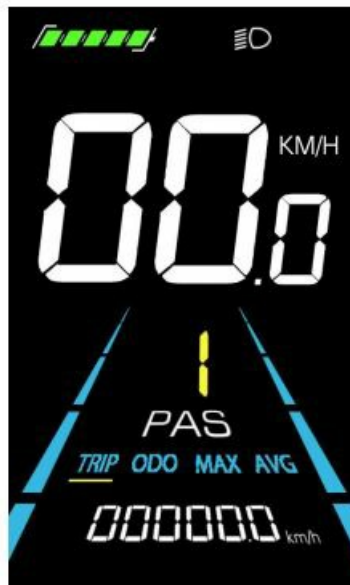


Figure 5-3 Backlight display interface

PAS level selection

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



Figure 5-4 PAS level display interface

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.

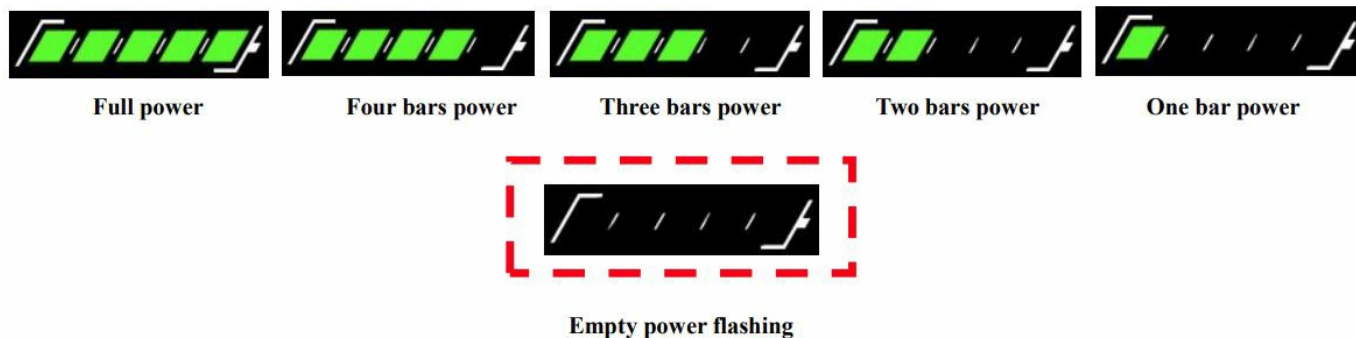


Figure 5-5 Battery Level Display Interface

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.

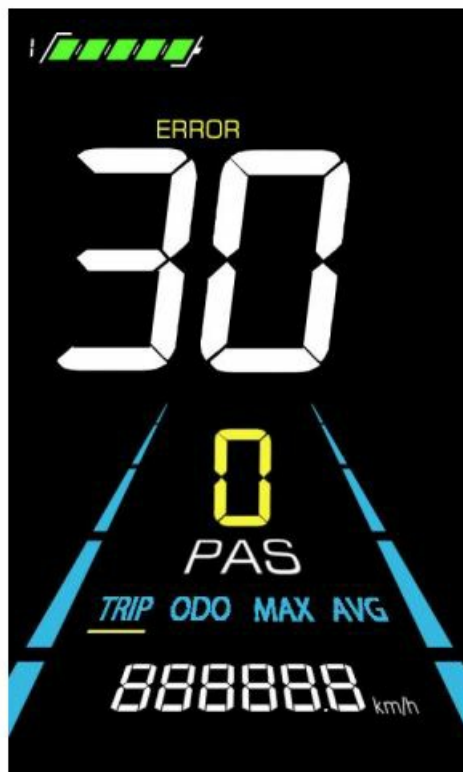


Figure 5-6 Error Code Display

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.

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 to save the parameter settings and return to the personalized parameter setting interface.
5. Long Press to save the parameter settings and exit the personalized parameter setting interface. The following options are available on the personalized parameter setting interface:

Backlight luminance setting

01P is the backlight luminance setting. Parameters 01, 02 and 03 are available, which represent the backlight luminance, 01 for the minimum luminance, 02 for the standard luminance and 03 for the maximum luminance. Press the button to enter the parameter modification interface. Press the button / for parameter selection. Press the button to save the parameter and return to the selection interface of general setting options.

Documents / Resources

Electric Bike Display User's Manual YL81F	EBIKEBC YL81F Smart LCD Display For Electric Bicycle [pdf] User Manual YL81F Smart LCD Display For Electric Bicycle, YL81F, Smart LCD Display For Electric Bicycle, LCD Display For Electric Bicycle, Display For Electric Bicycle, Electric Bicycle, Bicycle
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References

- [User Manual](#)