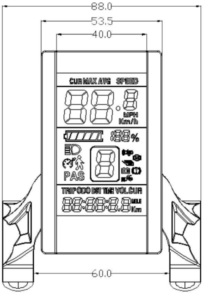
S830
SPEED
USB
FLAT DESIGN

LCD S830 Manual Control Panel
User Manual

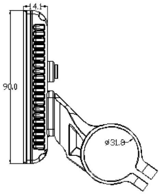
The Latest Version 2020

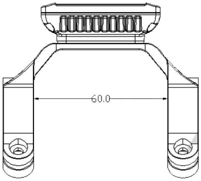


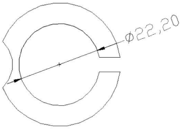
1. Exterior Parameters

Casing Material: ABS

Display Material: High Hardness Acrylic (the same hardness value as tempered glass).

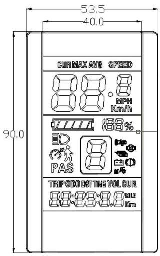


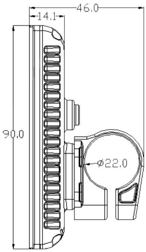




Converter Ring φ 22.2mm

2. Single Supporter





2. Operating Voltage and Connections

a. Operating Voltage: DC36v/48V Compatible (set by the control panel).

b. Connections:

Waterproof Connector Female.

3. Functions

a. Display

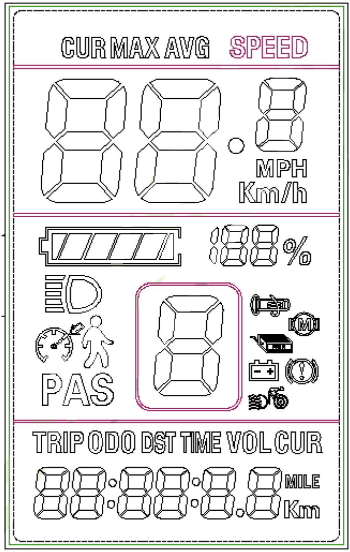
Speed Display, Motor Power Ratio Display, Battery Level Display, Error Indication, Total Mileage, Single Mileage, Single Running Time Light Signal

b. Control and Settings

Power Switch, 6km/h Inching Control, Wheel Diameter Setting, Top Speed Setting, Time Setting for Auto-Hibernation, Backlight Brightness Setting, Voltage Level Setting

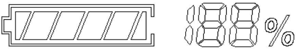
c. Communications Protocol: UART

Display Readings (display at start for 1 second)



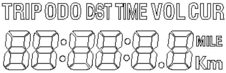
3.1 Light

3.2 Battery Level



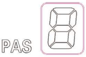
3.3 Multi-Functions Display

Total Mileage: ODO
Single Mileage: TRIP
Single Running Time: Time
Current Voltage VOL
Operating Current: CUR
DST: Unspecified



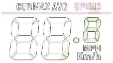
3.4 Vehicle Power PAS Lever

5 Levers Pedal Assist System



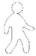
3. 5 Speed Display

Maximum Speed: MAX
Average Speed: AVG
Measuring Unit: MPH or KM/H

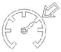


The panel will calculate the actual travelling speed based on the wheel diameter and signal data (number of magnet steel is needed for Hall motors).

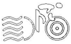
3.6 Vehicle Status



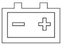
6km/h Walk and Push



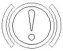
Real-Time Cruise



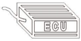
Powered Ride



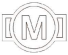
Low Battery



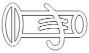
Brake



Controller Failur



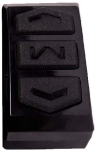
Motor Failure



Handlebar Failure

4. Keys

Arrangement of keys on the panel:



Introduction of Keys

Key operations involve short press, long press and long press of combination keys.
Short press is used for short/frequent operations as:

1. Short press the UP or Down Button ▲ ▼ to change assist power/speed during riding.

2. Short press this key M to switch the readings in the multi-function display section.
Long press on a single key is used to switch mode/on/off status.
Long press on combination keys to set parameters, which can avoid misoperations (short press on combination keys is disabled, for it's easy to induce misoperation and hard to manipulate).

Detailed Instructions

1. Change Assist Power/ Electric Gear In assist power mode

a. Short press ▲ assist power +1.

b. Short press ▼ assist power -1.

2. Switch Speed Display

Long press M + ▲ to switch speed display type.

3. Enable / Disable 6km/h cruise, set real-time cruise and turn on/off the lights

When the vehicle is parked, long press ▼ to enter 6km/h cruise mode.

When the vehicle is travelling, long press ▼ to enter real-time cruise mode.

Long press ▼ or Press Throttle to exit the cruise mode when the vehicle is in cruise mode.

Long press ▲ to turn on/off backlight

4. Turn on/off the LCD Panel

When the display panel is operating, long press M and it will be turn off, otherwise it will be turned on.

5. Switch Displayed Readings in Multi-Functions Section

Short press M to switch readings shown in the multi-functions section.

6. Set Parameters

Long press ▲ + ▼ to enter the setting interface.

Customizable parameters include:
Wheel Diameter (unit: inch);
Magnet Steel Number;
Backlight Brightness;
Low Voltage Threshold (refer to setting: P01-P14)

In the setting interface, short press ▲ or ▼ to add/minus value to the parameter, which will blink after modified. After selecting the parameter that needs to be set,

I. a. Long press M to save the current value, and the parameter will stop blinking;

b. Short press M to switch to the next parameter and the previously set value will be saved at the same time.

II. Press ▲ + ▼ to exit the setting and save the parameters. Without this operation, the system will automatically exit and save the modified parameters after 10 seconds.

Note: Due to product upgrade, the product you purchased may be slightly different from the descriptions in this user manual, and this won't affect normal usage.