Manuals+ — User Manuals Simplified.

eBikeling S830 Waterproof LCD Display User Manual
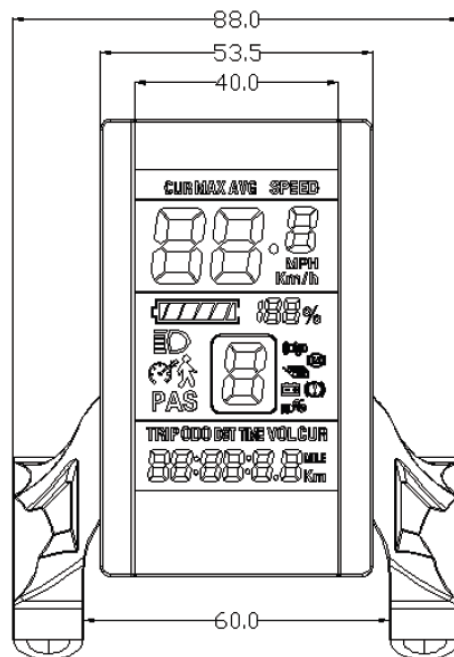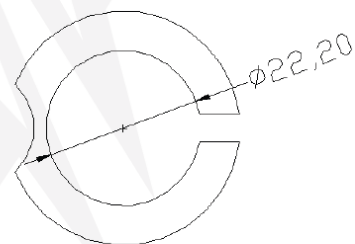
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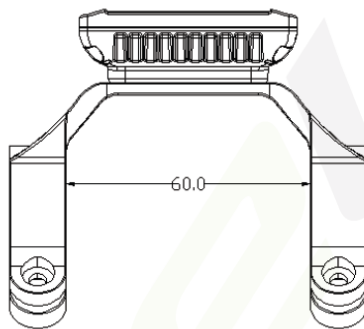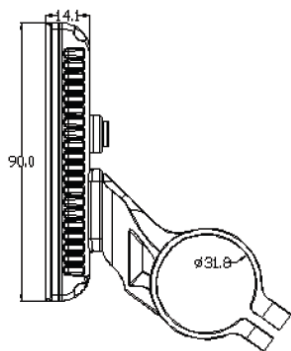
eBikeling S830 Waterproof LCD Display

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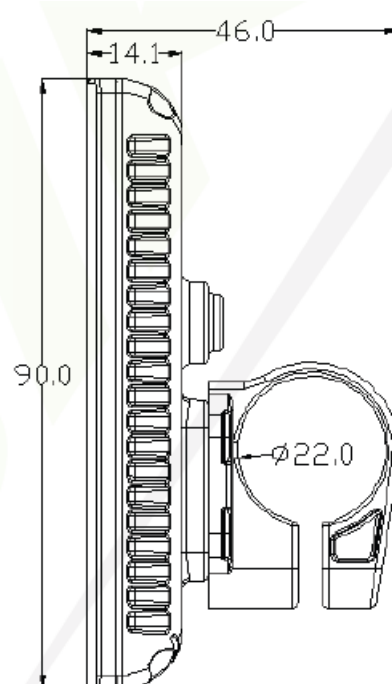
Casing Material: ABS
Display Material: High Hardness Acrylic (the same hardness value as tempered glass).

Converter Ring φ 22.2mm

Single Supporter
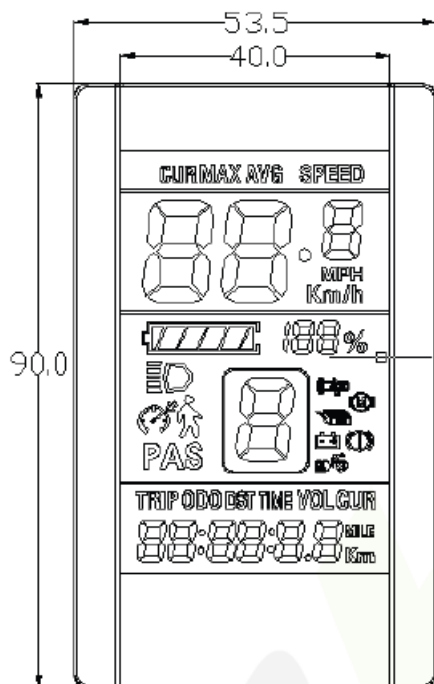
Operating Voltage and Connections

a. Operating Voltage: DC24V/36V/48V/52V/72V (set by the control panel).
b. Connections: Julet Waterproof Connector.

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 the start for 1 second)

CUR MAX AVG SPEED

MPH
Km/h

188%

PAS

TRIP ODO DST TIME VOL CUR
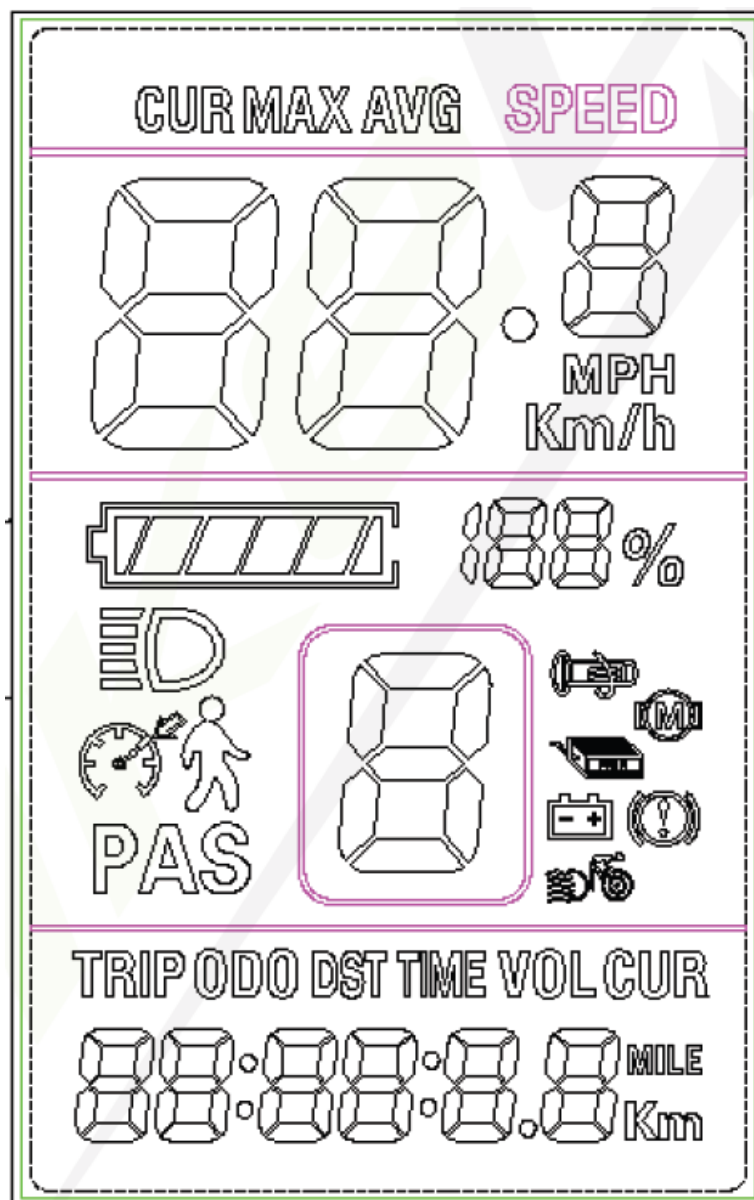
MILE
Km

Light
(optional function)

Battery Level

188%

Multi-Functions Display

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

TRIP ODO DST TIME VOL CUR

88:88:8.8 MILE Km

Vehicle Power PAS Level

- 3/5/9 gear modes available.
- It is five (5) gears by default.

PAS 8

Speed Display

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

CUR MAX AVG SPEED

88.8 MPH Km/h

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

Vehicle Status

	6km/h Walk Boost
	Powered Ride
	Brake
	Motor Failure

	Real-Time Cruise
	Low Battery
	Controller Failure
	Throttle Failure

Parameters

To go to Parameters, press & hold "UP & DOWN ARROW" at the same time for about 5 seconds, within the 8 seconds when you turn the kit on.

P01: Brightness (1 is the darkest; 3 is the brightest)

P02 : 0 is KM, 1 is MILE

P03: Voltage grades; 24V/36V/48V/52V/72V

P04: Sleep time. 0 means the LCD screen will never go off for energy save mode, other numbers stand for the sleep time (1-60 min).

P05: PAS grades.
3: 3 level speed for both throttle and PAS
5: 5 level speed for both throttle and PAS
9: 9 level speed for both throttle and PAS

P06: Wheel Size. Unit: inch Precision: 0.1
The wheel size unit shown in inches, must be set correctly.

P07: Range: 1-100
This is 46 for direct drive (1200w and above) motors and 01 for geared (500w -750W) motors.

P08: Speed Limit
Range: 0-50 km/h, 100 means no limit
The limit is set in Km and can not be switched to a Mil. So calculate it carefully when you set the limit.
Communication Status (controlled by the controller): The driving speed keeps the same as the ones we set.
Random error: ±1km/h. (Speed limit is for both PAS and Throttle)
Note: These data are based on KM. When changing KM to Mile, the speed value on the screen would convert to correct Miles automatically, but if you do not change the setting of the speed limit from KM to Mile, it would be different from the real speed limit in Mile.

P09: Zero & Non-zero Start Setting:
Zero start (0) will engage the motor instantly while Non-zero start (1) will give some delay when you throttle.

P10: Drive Mode Setting
0: Power Drive – The specific gear of the assist drive decides the assist power value. In this status, the throttle does not work.
1: Electric Drive – The vehicle is driven by the handlebar. In this status the power gear does not work.
2: Power Drive + Electric Drive – Electric drive does not work in zero-start status.

P12: Assist Power Intensity Range: 0-5

Lower value provides a little assist when you start pedaling.

P13: Power Magnet Steel Number.
There are 3 types: 5, 8, and 12. Dots on the magnetic ring. In our system, it is 12 by default.

P14: The Current-limiting of Controller
The original Current is 12A. Range:1-20A
Please check the current your controller and the hub motor can handle. Set the limit accordingly.

PS: The latest versions of the SW900 and S830 display adjust the current automatically.

P16: ODO Zero-Out: Long press the upper key for 5 seconds and ODO will zero out. Use this option to reset ODO.
Note: When you set P09 as 0, whether you set P10 as 0, 1, or 2, both throttle and PAS can start the system and work.
When you set P09 as 1 and P10 as 0, only PAS can start the system.
When you set P09 as 1 and P10 as 1, both throttle and PAS won't work.
When you set P09 as 1 and P10 as 2, only PAS can start the system, then the throttle will work.

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 the "M" button 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. Changing the assist power.

   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 the 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 traveling, long press [▼] to enter real-time cruise mode.

   Long press [▼] or engage the Throttle to exit the cruise mode.

   Long press [▲] to turn on/off backlight.

4. Turn on/off the LCD Display

   When the display panel is operating, long press [M] and it will be turned 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-function section.

6. Set Parameters

   Long press [▲] + [▼] to enter the setting interface.

   In the setting interface, short press [▲] or [▼] to change the value to the parameter, which will blink after modification. After selecting the parameter that needs to be set,

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

   2. Press [▲] + [▼] to exit the setting and save the parameters.

   3. 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, this will not affect normal usage.

Documents / Resources

LCD S830 User Manual

eBikeling S830 Waterproof LCD Display [pdf] User Manual
S830, Waterproof LCD Display, S830 Waterproof LCD Display, LCD Display, Display