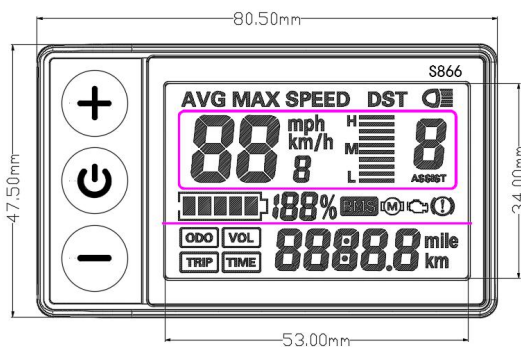

LCD-S866 manual panel instructions

Latest version of 2023

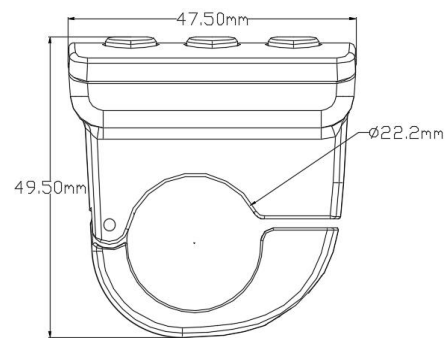


1. Appearance Size and Material

ABS, liquid crystal transparent window is imported high hardness acrylic, hardness value is equivalent to toughened



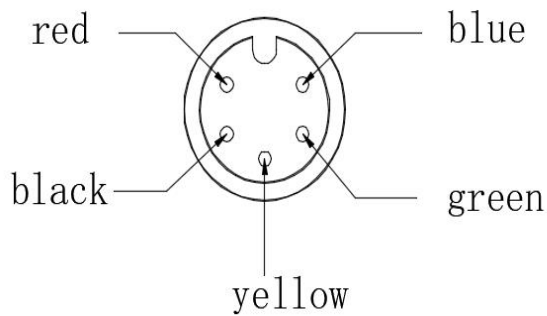
Front view



Side view

2. Working Voltage and Connection Mode

- working voltage: DC24V 、 36V、 48V(instrument selection setting), other voltages can be customized.
- Wiring mode:



red: battery+
blue: lock wire
black: battery-
green: RX
yellow: TX

male end view - 5

Extension:

Headlamp: brown (DD): headlamp positive,

White (GND): headlamp negative pole.

PWM voltage type power gear control, independent external speed sensor line color separately defined.

Note:

The lead of some products is waterproof connector, the user can not see the lead color in the wire harness.

3. Function description:

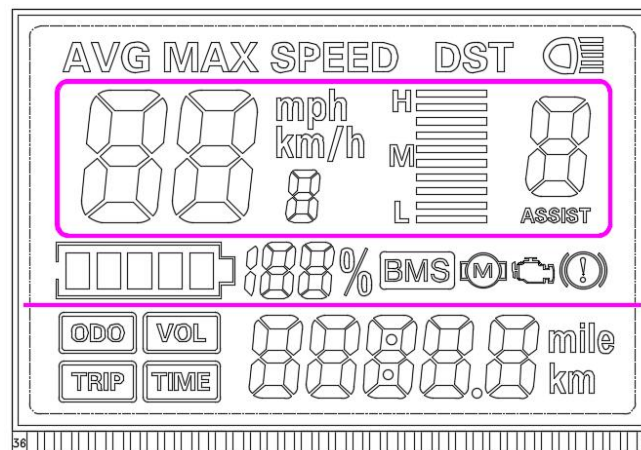
a) display function

Speed display, power gear display, power indication, fault indication, total mileage, single mileage, headlight display, single driving time display

b) control, setup function

Power switch control, headlight switch control, 6 Km/h point control, wheel diameter setting, maximum speed setting, idle automatic sleep time setting, backlight brightness setting, voltage level setting,

c) Communication Protocol: UART

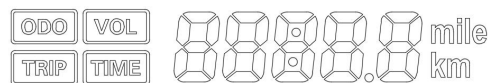


Presentation

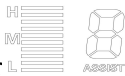
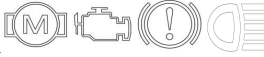
i. Battery power display & Remaining battery display



ii. Multi-function display are



Total mileage ODO、 single mileage TRIP、 Startup running time TIME、 battery voltage VOL、 Remaining range DST

- iii. Speed Display Area 
- AVG: average velocity、 MAX: Maximum velocity、 SPEED: Current speed、
Unit: mph,km/h
- iv. Vehicle assist gear  0-9 gear digital display and gear bar display
- v. Vehicle status code meanin 
-  :Motor Failur ;  :Vehicle Controller Failur ;  :Brake Tips ;
 :Headlights

4. Settings:

- P01: backlight brightness level 1 darkest level 3 brightest;
- P02: mileage unit ,0: KM;1: MILE;
- P03: voltage rating :24V,36V,48V,60V,64V default 36V;
- P04: dormancy time :0, no dormancy; other numbers are dormancy time, range :1-60; unit minute;
- P05: power gear :0/3 mode:Mode 1,5;
- P06: diameter: unit, inch; accuracy :0.1;
This parameter is related to the display speed of the instrument and needs to be input correctly;
- P07: speed measurement magnetic steel number: range :1-100;
This parameter is related to the display speed of the instrument and needs to be input correctly;
If it is a common hub motor, directly input the number of magnetic steel; When it is a high speed motor, it is also necessary to calculate the deceleration ratio, input data = the number of magnetic steel × the deceleration ratio;
Motor magnetic steel 20, deceleration ratio 4.3: input data :86=20×4.3
- P08: speed limit: range 0-100 km/h,100 indicates no speed limit,
Here the input data indicates the maximum speed of the vehicle: for example, input 25, indicating that the maximum speed of the vehicle will not exceed 25 km/h; the drive speed is maintained at a set value, Error :± 1 km/h;(average speed limit for booster and switch) Note: the value here is based on km. When the unit setting is converted from km to mile, the speed value of the display interface is automatically converted to the correct mile value, but the speed limit data set at this menu under the mile interface is not converted, which is inconsistent with the actual display mile speed limit value;
- P09: zero start, non-zero start settings ,0: zero start ;1: non-zero start;
- P10: drive mode set
0: power drive (through the power gear to determine how much power output, this time the switch is invalid)
1:electric drive (through the handle drive, this time the power gear is invalid)

2:auxiliary drive and electric drive coexist simultaneously

P11: assistance sensitivity setting range :1-24;

P12: power start strength set range :0-5;

P13: three types of magnetic steel with 5,8 and 12 grains are set up Set default 12 A range;

P14: controller limit :1-20 A;

P15: controller undervoltage;

P16: 0:not enable cruising

1: enable cruising; automatic cruising optional (valid for protocol 2 only)

P17: ODO zero setting long press key 5 seconds ODO zero;

5. Fault code:

Fault code (decimal)	Fault status	Remarks
0	Normal state	
1	Reservations	
2	Brake	
3	Power sensor failure (riding mark)	Not here
4	6KM/H cruises	
5	Real-time cruise	
6	Battery under voltage	
7	Motor malfunction	
8	Switching fault	
9	Controller fault	
10	Communication reception failures	
11	Communication transmission fault	
12	BMS communication failures	
13	Headlamp malfunction	

6. Keystrokes:



- a) Shutdown state, long key  boot; after boot, short key  , interface between ODO、TRIP、VOL、CURRENT、TIME switch.
- b) Boot state, long key  shutdown, short key  , power gear +1, short key  , power gear-1.
- c) Long key  +  key enter mode settings

Parameter value modification: in a certain parameter state, the short key  switches

the parameter, the short key  increases the value, the short key  reduces the value, after the modification, the short key  switches to the next parameter, and saves the last parameter value; the parameter modification completes again the long key  +  the key exits the setting interface, if does not press, waits 8 seconds to exit automatically and saves the parameter.

Note: due to the upgrade of the company's products, you may get part of the product display will be different from the specification, but will not affect your normal use.