LD-S866 manual control panel usage instructions 2018 latest version -V1.0
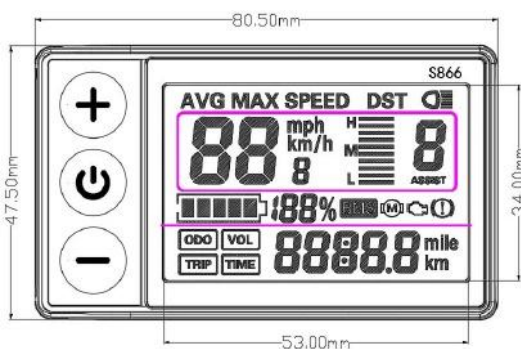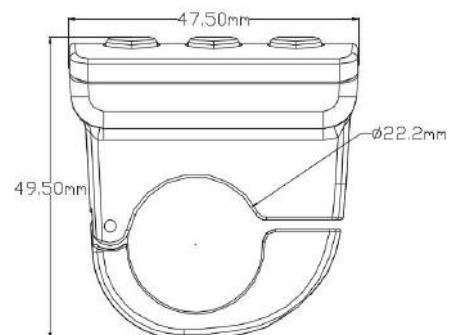

First, the appearance size and material

Product shell for ABS, liquid crystal transparent window imported high hardness acrylic, hardness value is equivalent to toughened glass.

Front view of meter

Instrument profile

Working voltage and
wiring mode

1, working voltage: DC24V, 36V, 48V, 60V
   compatible, other voltages can be customized.
2. Wiring mode:

标配接插件线序

与控制器连接端　　　仪表出线端　　　对接线端

表：标配接插件线序表

标配线序	标配线颜色	功能
1	红色（VCC）	仪表电源线
2	蓝色(K)	控制器的电源控制线
3	黑色(GND)	仪表地线
4	绿色(RX)	仪表的数据接收线
5	黄色(TX)	仪表的数据发送线

Note: the leads of some products use waterproof
connectors, so the user cannot see the color of the
leads in the wiring harness.

III. Function
Description:

Can work:

1. Display
function
Speed display, power indicator, fault prompt,
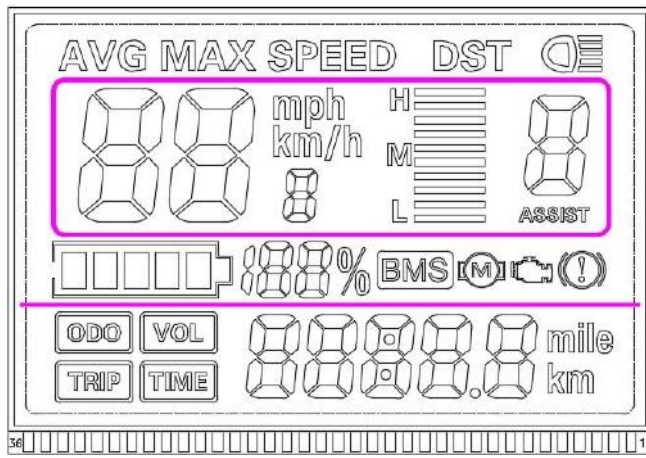total mileage, single mileage

2.Control and
setup functions
Power switch control, wheel diameter setting, idle automatic
sleep time setting, backlight brightness setting, starting
mode setting, driving mode setting, voltage level setting,
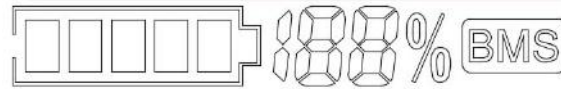controller current limit value setting,
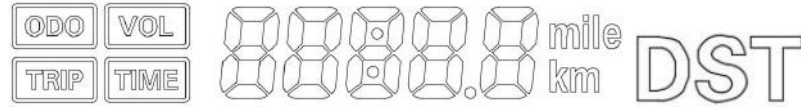
3. Communication
protocol: UART
All contents of the display
screen (all displayed within 1S
after boot)

AVG MAX SPEED   DST

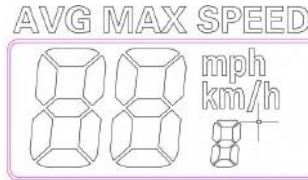mph
km/h

H
M
L

ASSIST

% BMS (M) (!)

ODO VOL
TRIP TIME

mile
km

2

Display
content
introduction

3.1 Display of battery remaining BMS power

3.2 Multi-function display area

Total mileage ODO, single mileage TRIP (unit: mile, km), single start-up
TIME TIME, battery voltage VOL, DST: endurance mileage

3.3 Speed display area

AVG: average SPEED, MAX: maximum SPEED, SPEED: current SPEED; Unit
of Mp/h, km/h

The speed signal is taken from the Hall signal in the motor and sent
to the instrument by the controller (the time of a single Hall cycle,
unit: 1MS). The instrument will calculate the real speed according to
the wheel diameter and signal data (the Hall of the motor also needs to
set the number of magnetic steel).

3.4 Vehicle assistance gear adjustment

Assist: 0-9 digital display and gear bar display;

3.5 Vehicle status display area

: Motor failure;   : failure;   : Brake prompt;   : Headlight on prompt;

4. Set the

P01: Backlight brightness, level 1 is the darkest,
level 3 is the brightest;

P02: mileage unit, 0: KM;1: the MILE;

P03: voltage grade: 24V, 36V, 48V, 60V, 64V default 36V;   P04: Sleep time: 0, not
sleep;Other numbers are hibernation time, range: 1-60; Unit of
minutes;   P05: Power gear: 0, 3 mode:
1, 5 mode:

P06: wheel diameter: unit, inch;
Precision: 0.1;

This parameter is related to the
instrument display speed and needs to be
entered correctly;

P07: number of speed measuring
magnetic steel: range: 1-100;

This parameter is related to the
instrument display speed and needs to be
entered correctly;

If it is a common hub motor,
directly input the number of
magnetic steel;

If it is a high-speed motor, the deceleration ratio needs
to be calculated, the input data = the number of magnetic
steel $\times$ the deceleration ratio;

For example: motor magnetic steel number 20,
reduction ratio 4.3: input data :86=20$\times$4.3P08: speed

limit: range 0-100km/h, 100 means no speed limit,

The input data here represents the maximum running speed of the vehicle: for example, input 25 means that the maximum running speed of the vehicle will not exceed 25km/h; Drive speed is maintained at the set value,

Error: ±1km/h;(Speed limit of power assist and turn handle)

Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles,

The speed value of the display interface will be automatically converted to the correct value of miles, but the speed limit data set at this menu under the mile interface will not be converted, which is inconsistent with the actual displayed speed limit value.

Note: The P09-P15 menu is only available in communication state

P09: zero start, non-zero start setting, 0: zero start;1: Non-zero start;   P10: drive mode setting 0: power drive (through the power gear to determine how much power output, at this time

The handle is invalid.

1: electric drive (through the handle drive, the power gear is invalid).

2: Power assisted drive and electric drive coexist at the same time

P11: power sensitivity setting range: 1-24;
P12: Power starting intensity setting range: 0-5;
P13: Assisted magnetic steel plate type is set to 5,8,12 magnetic steel three types
P14: The controller current limit value is set in the default range of 12A: 1-20A
P15: Undervoltage value of the controller
P16: ODO zero clearing setting Long press the key for 5 seconds

P17:0: disabled cruise, 1: enabled cruise; Automatic cruise optional (for protocol 2 only) P18: display speed proportional adjustment range: 50%~150%,
P19: The enabling bit is 0, 0: includes 0, 1: does not include 0
P20:0:2 Protocol 1: 5S Protocol 2: standby 3: standby

Four, button introduction:

1. Long press the button   A key switch on;   Power button, the interface in ODO
to switch between TRIP, VOL and

2, on the state, long   Key power   Key, power gear +1,
press the key, power gear -1;

3, long   +   Key to enter
press

Parameter value modification: in a   Key to switch   The

Add value, Key to reduce the value, Key to switch to the

Save the value of the previous +Key to exit the

parameter; After modifying parameters,

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