

1. User Guide

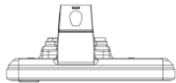
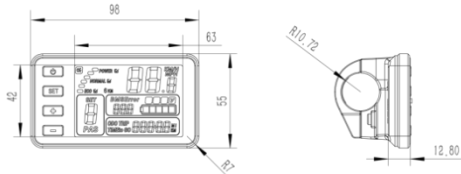
Dear users, in order to better operate your electric vehicle, please carefully read the C500 instrument manual before use. We will tell you every step of the meter using in the most concise language, including from the hardware installation, setting up to the normal use of the meter. At the same time to help you solve the possible confusion and obstacles.

2. Dimensions

2.1 Material and color

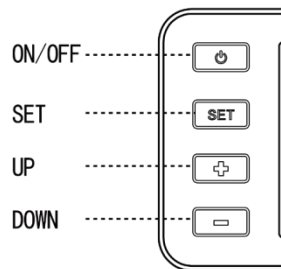
C500 is made of black ABS material and the bracket is made of nylon material. The material of the shell is allowed to be used normally from -20℃ to 60℃ with good mechanical properties.

Dimension figure (unit: mm)



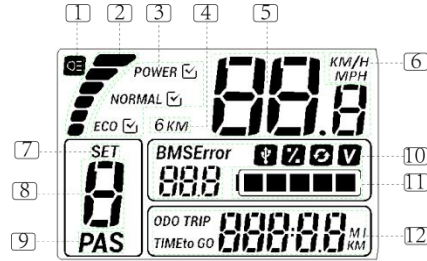
2.2 Button definition

C500 Instrument kit has 4 buttons include ON/OFF、SET、+ and - .



3. Function Overview

The C500 provides you with a variety of displays to meet your cycling needs. including:



- 3.1 Backlight:
With the power on, click the ON/OFF turn on the backlight.
- 3.2 Current display:
The discharging current of the controller currently, each segment is 2A.
- 3.3 Riding mode display:
Show current riding mode.
- 3.4 6KM/H:
Hold the DOWN for 2 seconds to get in 6km work.
- 3.5 Speed display:
Display the speed at present.
- 3.6 Miles /KM display:
Display the current speed unit according to the unit set by the user.
- 3.7 SET display:
The SET icon will blink at 1Hz when the user enters the setting interface.
- 3.8 Gear display:
Display the output power of the meter. The default output power range of the meter is 0-5, and the default is 1 when starting up.
- 3.9 PAS:
Assist display.
- 3.10 Battery Information
- 3.10.1 BMS Error:
BMS displays current battery status. Error displays the current error code in combination with information display.
- 3.10.2 Charge display:
Long press SET and UP to display charging ICONS.
- 3.10.3 Electricity percentage display:

There is no default function for customers to customize.

- 3.10.4 Loop display:
No default function for customers to customize.
- 3.10.5 Voltage display:
Turns on by default and displays the current battery voltage with the information display.
- 3.11 Electric quantity information display:
Display current power level.
- 3.12 Cycling information display:
 - ◆ ODO: Total distance display show the cumulative distance from boot to the current, default non-zero.
 - ◆ TRIP: Trip distance display shows the user's single mileage, which can be reset in the setting interface or automatically reset when the distance is greater than 500KM.
 - ◆ TIME: Display the total duration of the user's single cycling speed exceeding 5KM/H.
 - ◆ TO GO: Range, this function needs customer customization.

4. User Setting

4.1 General Setting

Hold SET for 2 seconds to enter the setting interface.

- 4.1.1 Trip Distance Clearance
(click DOWN reset)



- 4.1.2 Speed-limit Setting
(range: 10KM/H-40KM/H)



- 4.1.3 Wheel Diameter Setting
(range:16-28 inch).



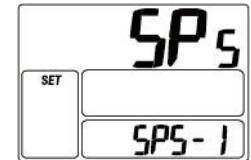
- 4.1.4 KM/H &MPH



4.2 Advanced Setting

On the General Setting interface, hold SET and DOWN for 10 seconds to enter the setting interface.

- 4.2.1 Speed Sensor Selection (1/6)



- 4.2.2 The Direction of Pedal Assistant sensor Setting (F: forward direction, B: back direction).



- 4.2.3 The Sensitivity of PAS Setting (2-63).



- 4.2.4 Throttle Level Enable/Disable
(N:normal throttle, Y: throttle level enable).



4.2.5 Throttle Enable/Disable (N: normal throttle, Y: Throttle are limited to 6 km).



4.2.6 Slowly Start up Setting (range 0-3).



4.2.7 Maximum current setting (Range: 3A-30A).



※Press **UP** or **DOWN** to select parameter, Hold **SET** for 1 second to save and exit.
 ※When the riding speed is 0 km/h for 5 minutes, the system will go to sleep automatically.

5. Line Definition

Wires sequence	Wires color	Function
1	Red	Battery+
2	Blue	Weak lock
3	Black	Battery-
4	Green	UART - RECEIVE (RXD)
5	Yellow	UART - SEND (TXD)

6. Question And Answer

Q: Why can't you turn it on?

A: Check whether the contact between instrument harness and controller connector is reliable.

Q: What should be done with the failure code displayed on the meter?

A: First according to the error code displayed to find out the corresponding problem, if you can not solve it yourself should be timely to the electric vehicle repair point repair.

7. Warranty Information And Terms

7.1Warranty information

7.1.1 The company will provide limited warranty during the warranty period for any fault caused by product quality problems under normal use.

7.1.2 The warranty period of the product shall be calculated within 18 months after the customer purchases the instrument of our company.

7.2Warranty (the following conditions are not covered by the warranty)

7.2.1 Unauthorized dismantling, modification.

7.2.2 Failure or damage caused by misuse or incorrect installation and debugging by users or third parties.

7.2.3 After the instrument leaves the factory, the shell is scratched or damaged.

7.2.4 A cut or broken instrument line.

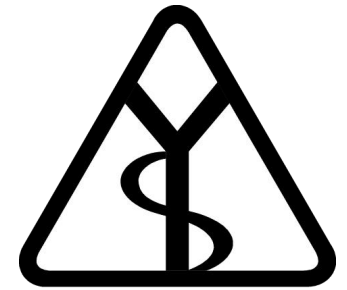
7.2.5 Failure or damage caused by natural disasters such as fire, earthquake, lightning strike, etc.

7.2.6 Product out of warranty.

8.Error Code Definition Table

Fault definition of instrument error report and display:

Error code	Definition
9	Abnormal instrument communication reception
21	Current anomaly
22	Turn the abnormal
23	Motor open phase
24	Abnormal hall signal of motor
25	Abnormal brake (start up detection)



YOSE POWER

C500-LCDInstructions



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