

# C300S –LCD instructions



NINGBO BESTAR GO., LTD.

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# ABOUT THIS USER MANUAL

Dear users,

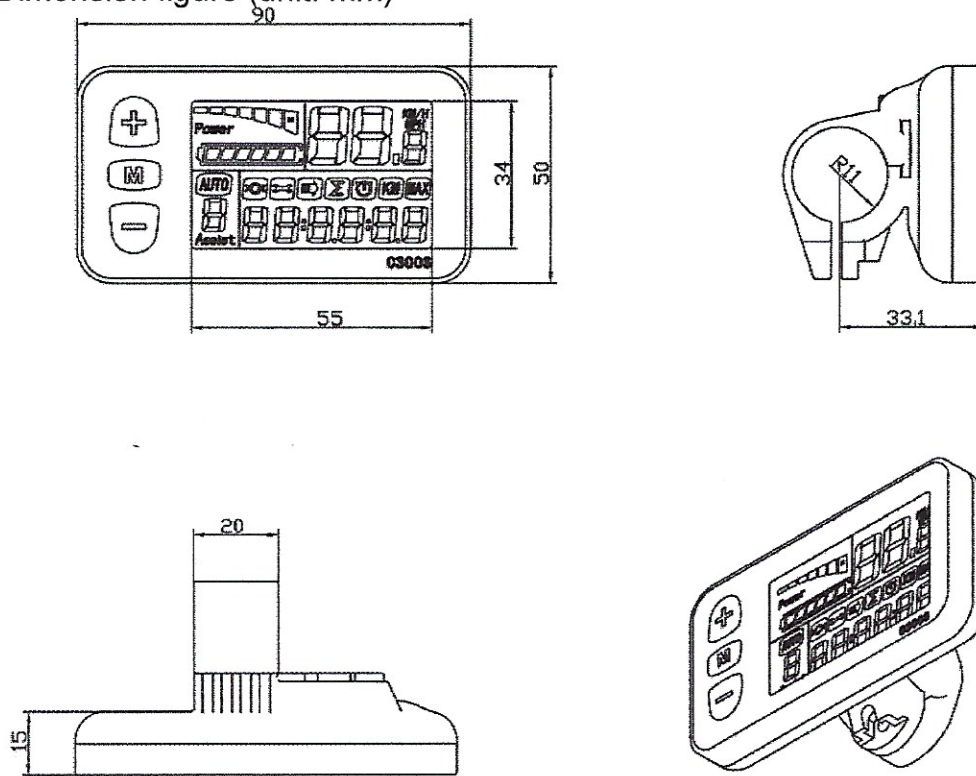
To ensure better performance of your e-bike, please read through the C300S instruction carefully before using it. We will inform u all the details concisely (including hardware installation, setting and normal use of the display) when using our display. Meanwhile, the introduction will also help you solve possible confusion and malfunction.

## OUTLOOK AND SIZE

### MATERIAL AND COLOR

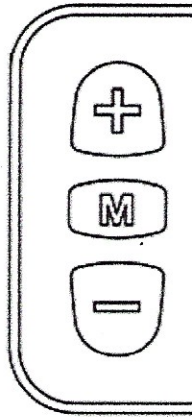
C300S products are made of black ABS material and the bracket is made of nylon material. Under the temperature of -20 to 60°C, the shell material can ensure normal usage and good mechanical performance of the products.

Dimension figure (unit: mm)



## BUTTON DEFINITION

C500B has three buttons including "M", "+" and "-". M is on/off .



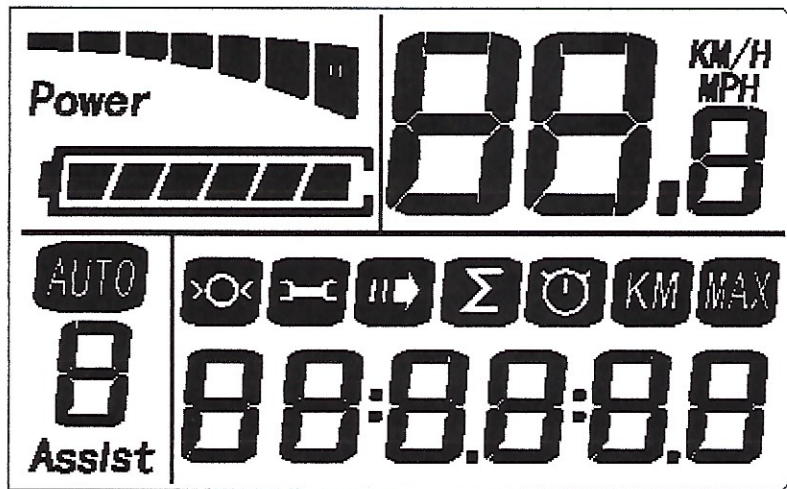
## FUNCTION SUMMARY

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C300S provides a wide range of functions and indicators to fit the users' needs. The indicated contents are as below.

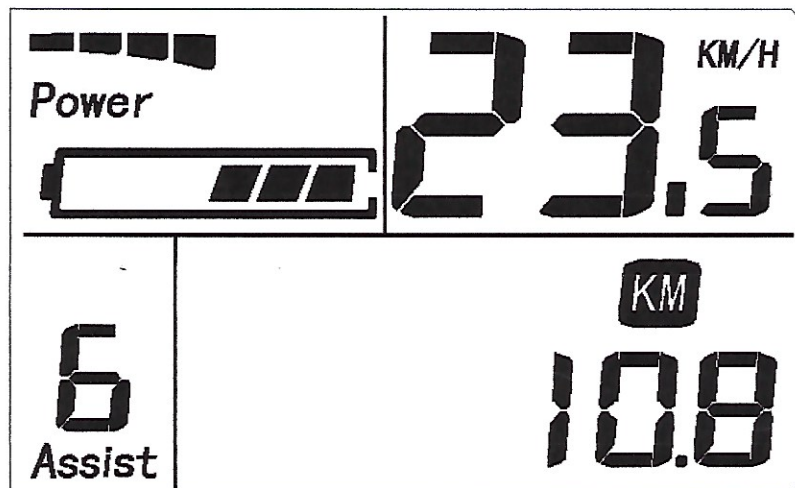
1. ON/OFF
2. Current display
3. Speed display
4. KM/H & MPH
5. Backlight indicator
6. 6KM/H work
7. PAS level selection
8. Error code indicator
9. SET operation
10. Distance indicator
11. Battery indicator
12. Cable definition
13. Auto sleep after 5 minutes

## FULL VIEW AREA



## NORMAL VIEW ARE

With the display on ,the default display are current display, battery display, riding speed 、trip distance 、 PAS level. Press “M” to switch the display information.





# NORMAL OPERATION

## 1. ON/OFF

Press "M" and start the display. And press "M" again to turn on the backlight. With display on, press "M" for 3 seconds to turn off the power. With the display off, there is no battery consumption battery power. The leakage current is no more than 2 $\mu$ A.

※ The panel will go to sleep when the speed is 0 km/h for 5 minutes.

## 2. CURRENT DISPLAY

That represents the discharging current of the controller currently, each mark is 2A, six segments is  $\geq 12$ A.



## 3. SPEED DISPLAY

The speed display is as below



## 4. KM/H & MPH

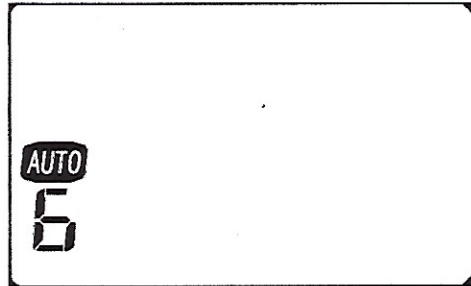
Select KM/H or MPH for the speed and mileage, display will be to the currently selected units display.

## 5. BACKLIGHT INDICATOR

With the power on, click the "M" button for 1.5 second and turn on the backlight for 1.5s. Click it again and turn off the backlight.

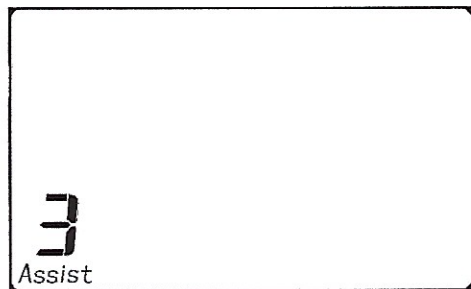
## 6. 6KM/H WORK

Hold the “-” for 1.5 seconds to get in 6km PAS work, and with your hand off, the 6km PAS work is released. The display is as below.



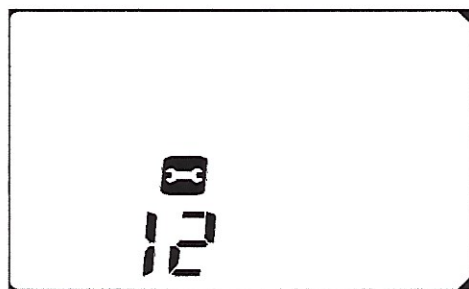
## 7. PAS LEVEL SELECTION

Click “+” or “-” to change the stages and output power ratio, the default mode is mode 6 and its output power range from level 1 to level 6, the default value is level 1.



## 8. ERROR CODE INDICATOR

If there is something wrong with the electronic control system, the display will flash at 1 HZ and show the error code automatically. See the last page Error code table for details.



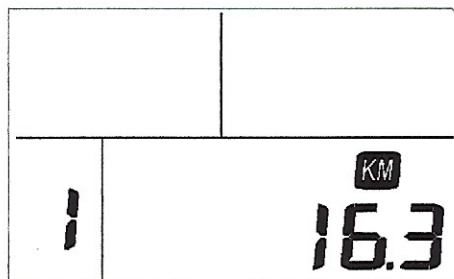
Display return to normal only after problem being fixed and e-bike will not run before fixing the problem.

## 9. OPERATION

Hold the “+” and “-” for 2 seconds and enter into the setting interface, then click the “M” to cycle from setting interfaces, Hold the “+” and “-” for 1 second to exit.

### 9.1 SET1: RESET TRIP DISTANCE TO 0

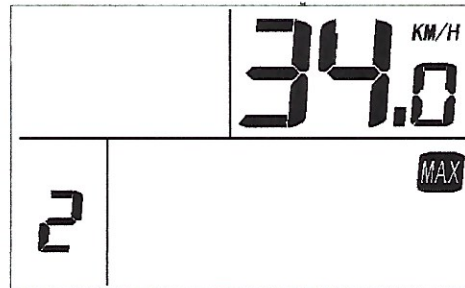
Click the “-” to reset the trip distance.



### 9.2 SET2: MAX SPEED LIMITED SETTING

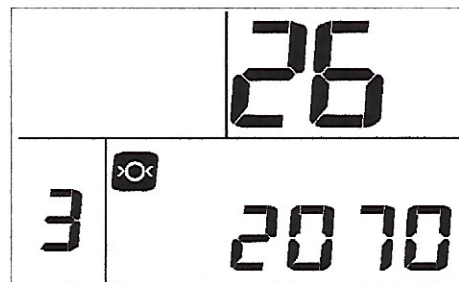
The max speed is 40km/h for the default, user can modify the max speed. The controller will stop supplying power to the e-bike, in order to ensure the safety of the rider. The max speed value range from 20km/h, 34km/h and 40km/h.





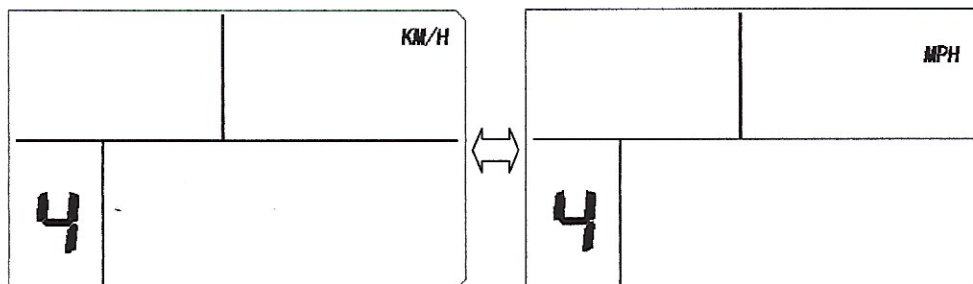
### 9.3 SET3: WHEEL DIAMETER SETTING

Select the suitable value to ensure the accuracy of display about speed and mileage.



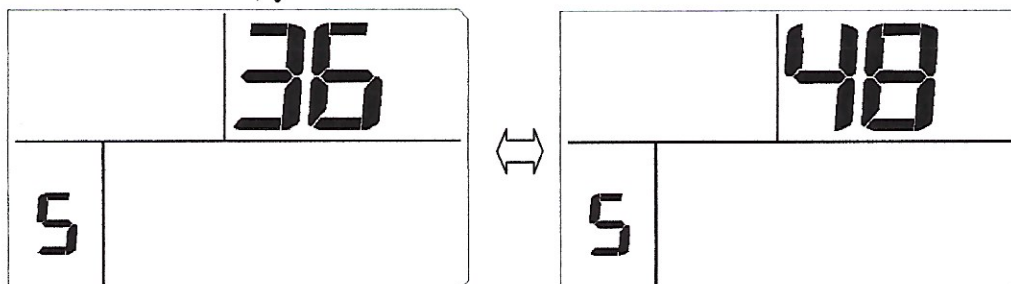
### 9.4 SET4: KM/H & MPH

Select MPH or KMH for the speed and mileage by pressing “+” or “-”, display will be the currently selected units display.



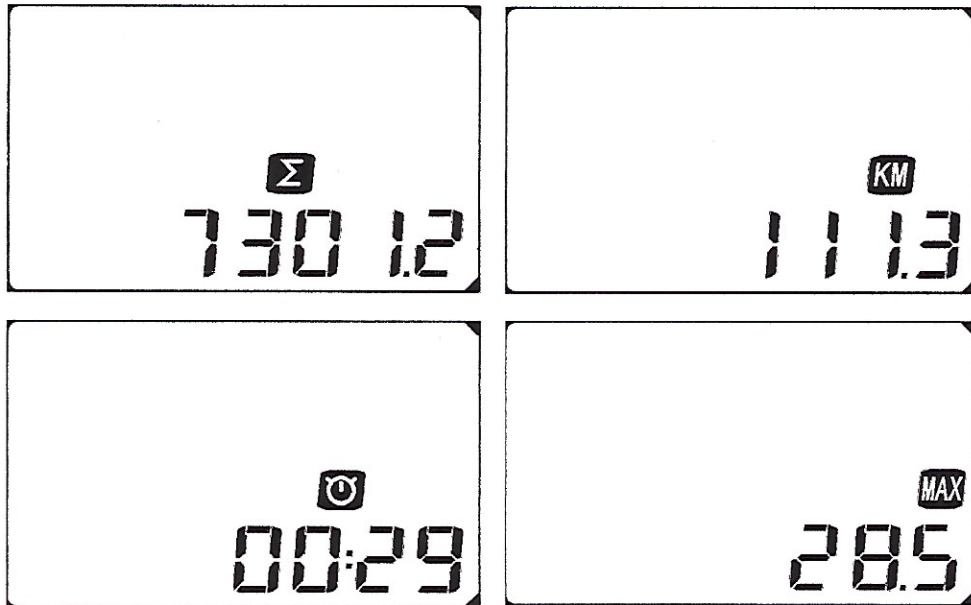
### 9.5 SET5: VOLTAGE EXCHANGE


Hold “+” or “-”, you can switch between 36V/48V.



## 10. DISTANCE INDICATION

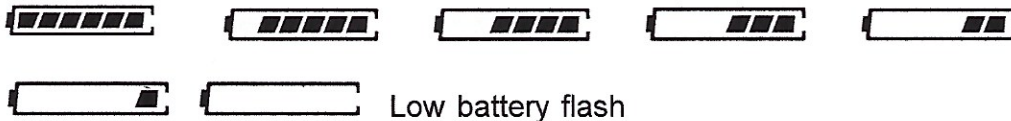
With display on, press "M" to show ODO, trip distance, cycling time, max speed and show them in turn.



※  turn on the show automatically.

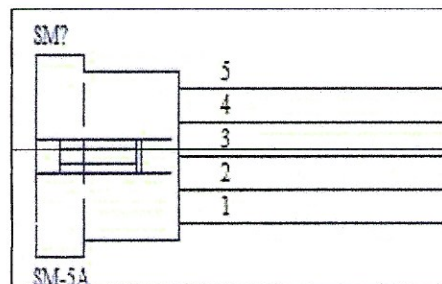
## 11. BATTERY INDICATION

The battery frame have six segments. When the battery capacity is full, the six battery segments are all light. In low battery, the outside edge of the battery frame will flash. It indicates that the battery is severely low and needs to be recharged immediately



## 12. CABLE INDICATION

- 1 Red: Battery +
- 2 Blue: Lock
- 3 Black: Battery -
- 4 White: UART-SEND (TXD)
- 5 GREEN: UART-RECEIVED(RXD)



### 13. AUTO SLEEP AFTER 5 MINUTES

When the riding speed is 0 km/h for 5 minutes, the system will go to sleep automatically.

#### ERROR CODE TABLE

The error code is corresponding with the fault definition.

Error code	definition
1	Current error or MOS damaged
2	Throttle error(Start detection)
3	motor no phase position
4	Hall error
5	Brake error(Start detection)
6	Under voltage
7	Motor stalling
8	communication controller receiving error
9	communication display receiving error