
bigstone

C300S-LCD Instructions



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ABOUT THE USER MANUAL

Dear users,

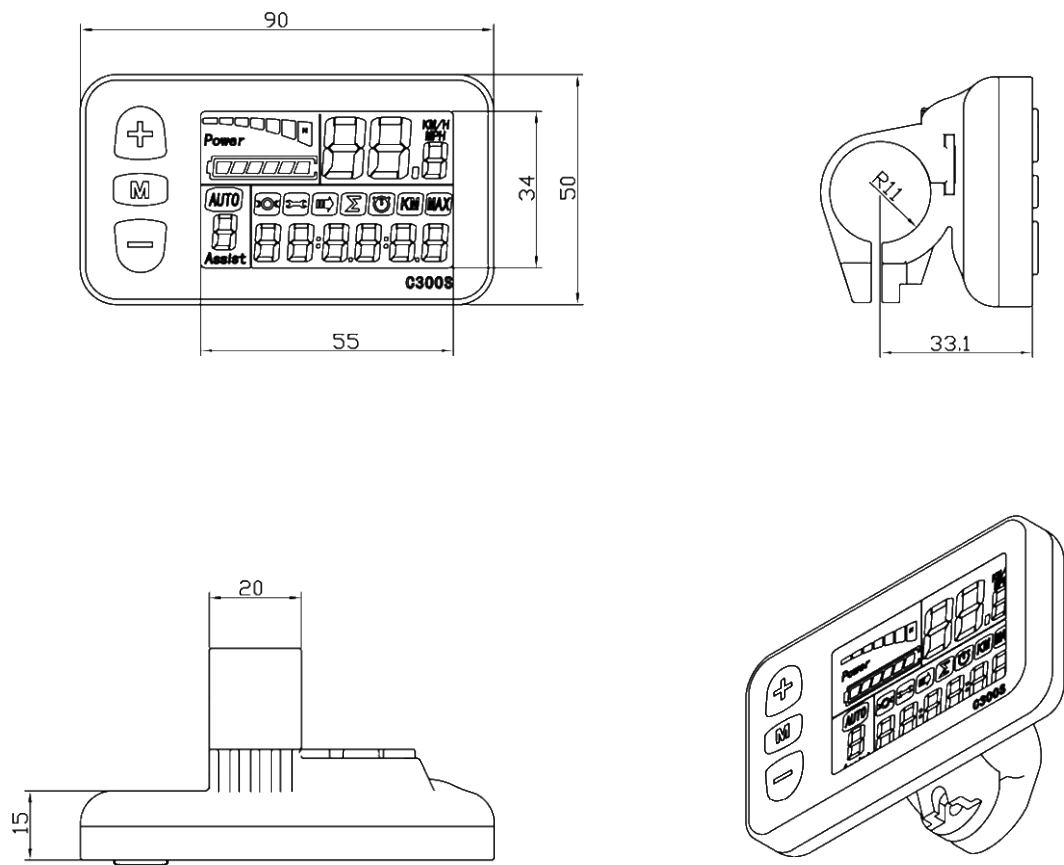
To ensure better performance of your e-bike, please read through the C300S-LCD product introduction carefully before using it. We will inform you all the details concisely (including hardware installation, setting and normal use of the display) when using our display. Meanwhile, the introduction will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

OUTLOOK AND SIZE

MATERIAL AND COLOR

C300S products are made of black ABS material and the buckle 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.

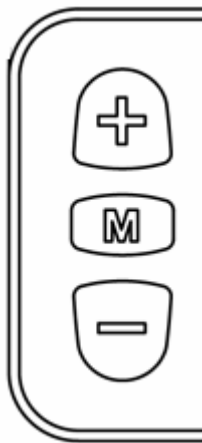
Dimension figure (unit: mm).



BUTTON DEFINITION

C300S has three buttons, including MODE、UP and DOWN.

“MODE” names to “M”, “UP” names to “ +” and “DOWN” names to “—”.



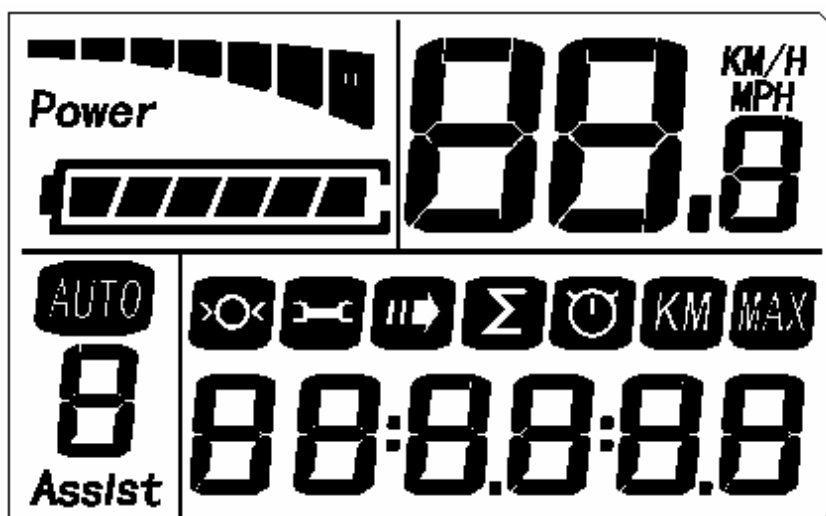
FUNCTION SUMMARY

FUNCTION SUMMARY

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

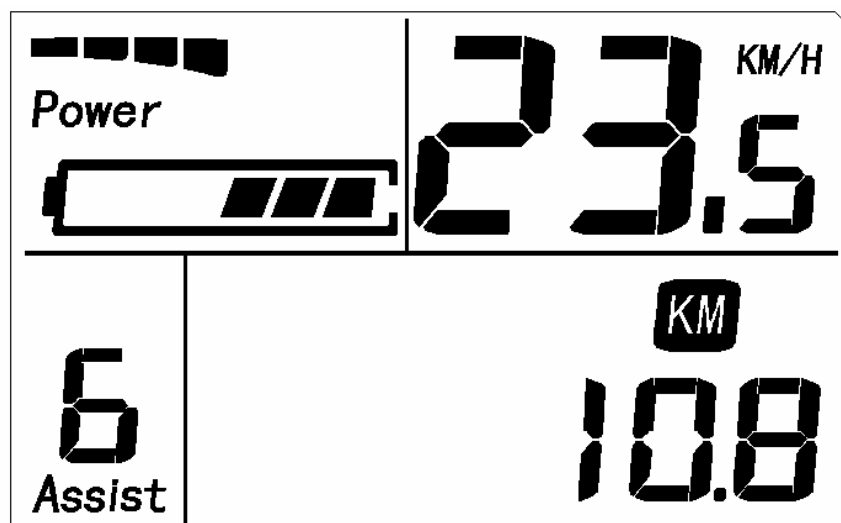
1. MODE
2. Current display
3. Speed display
4. KM/H & MPH
5. Backlight indicator
6. 6KM/H work
7. Assist level selection
8. Error code indicator
9. SET operation
10. Distance indicator
11. Battery indicator
12. Cable definition
13. Auto sleep after 5 minutes

FULL VIEW AREA



NORMAL VIEW AREA

The normal viewing area of the C300S is shown below.



NORMAL OPERATION

1、MODE

Press MODE and start the display. The display will provide power for the controller. With display on, press MODE for 1.5 seconds to turn off the power. With the display off, there is no battery consumption. The leakage current is no more than 2 μ A.

※ The panel will go to sleep when speed is less than 2 km/h for 5 minutes.

2、CURRENT DISPLAY

That represents the discharging current of the controller currently, each segment is 4A, five segments is ≥ 20 A.



3、SPEED DISPLAY

It displays the current riding speed of e-bike. The speed display is as below.



4、 KM/H & MPH

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

5、 BACKLIGHT INDICATOR

With the power on, press and hold UP for 1.5 seconds and turn on the backlight. Press and Hold UP for 1.5 seconds again and turn off the backlight.

6、 6 KM/H WALK MODE

Not available on all models. Hold DOWN for 1.5 seconds and enter into the mode of power assist walk. The e-bike is traveling at 6Km/h.

Display as shown below.



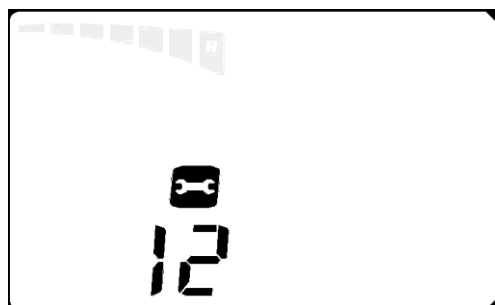
7、 ASSIST LEVEL SELECTION

Press + or - to increase or decrease level of pedal assist, the output power range from level 1 to level 5 for the default (the levels can be customized by user) , the default value is level 1. Level 1 is lowest power, 5 is highest.



8、 ERROR CODE INDICATOR

If there is something wrong with the electronic control system, the display will flash and show the error code automatically. Different error codes correspond to different faults, please see the last page Error code table for details.

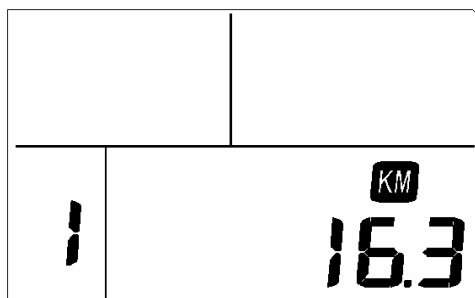


9、 SET OPERATION

Hold + & - for 2 seconds to enter into the mode of setting. Click MODE to choose setting parameters and click + & - to exit setup.

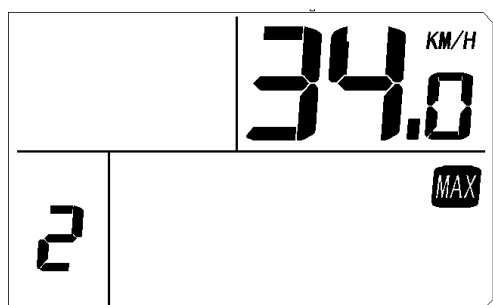
9.1 Reset trip distance, trip time and max speed

Click - to clear trip distance, trip time and max speed.



9.2 Max speed setting

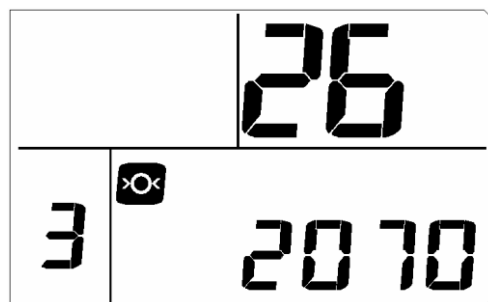
The max speed is 32 km/h for the default. User can modify the value of max speed, when the riding speed exceeds the set value, the controller will stop supplying power to the e-bike, in order to ensure the safety of rider. The max speed ranges from 20 km/h to 34 km/h and then the max speed is 40km/h



※ Click + or - to select the limited speed.

9.3 Wheel diameter setting

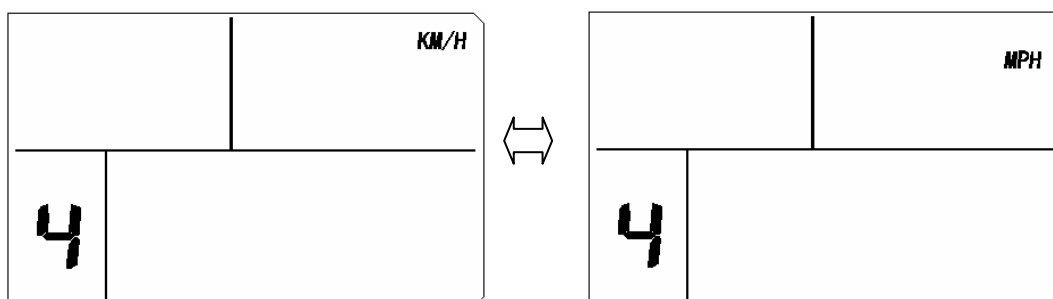
Select the accurate wheel diameter value to ensure the accuracy of display about speed and mileage.



※ Click + or - to set the wheel diameter.

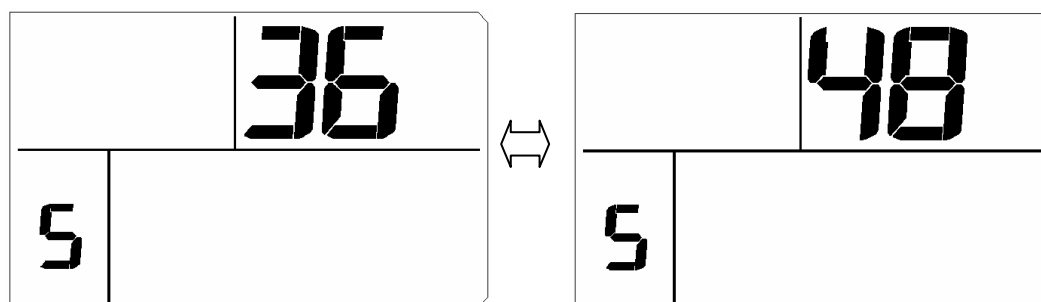
9.4 KM/H & MPH

Click + or - to switch the KM/H & MPH selection.



9.5 Voltage choice

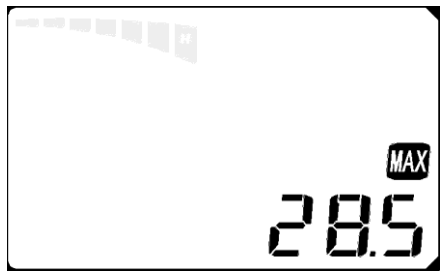
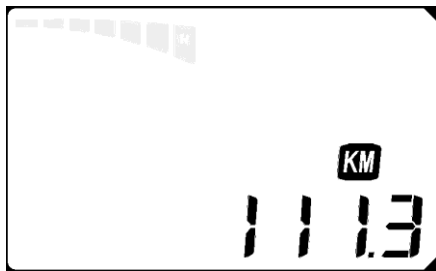
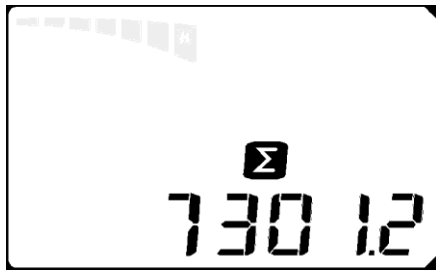
Click + or - to switch the 36V & 48V selection.



10、 DISTANCE INDICATOR

With the display on, click the MODE to switch the display information.

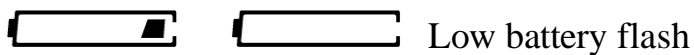
In turn shows trip distance, trip time, max speed, and odometer.



11、 BATTERY INDICATOR

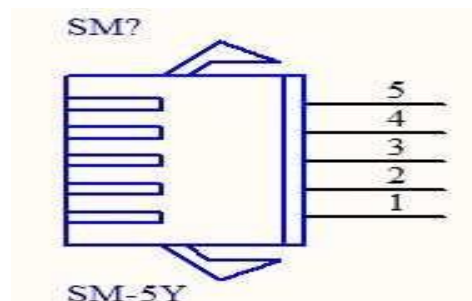
When the battery capacity is high, the five battery segments are all lit.

When the battery is low, the battery frame will flash. It indicates that the battery is severely low and needs to be recharged immediately.



12、 CABLE DEFINITION

- 1 Red : Battery +
- 2 Blue : Weak lock
- 3 Black : Battery-
- 4 Green: UART-RECEIVE (RXD)
- 5 White: UART- SEND (TXD)



13、 AUTO SLEEP AFTER 5 MINUTES

When the riding speed is less than 2 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