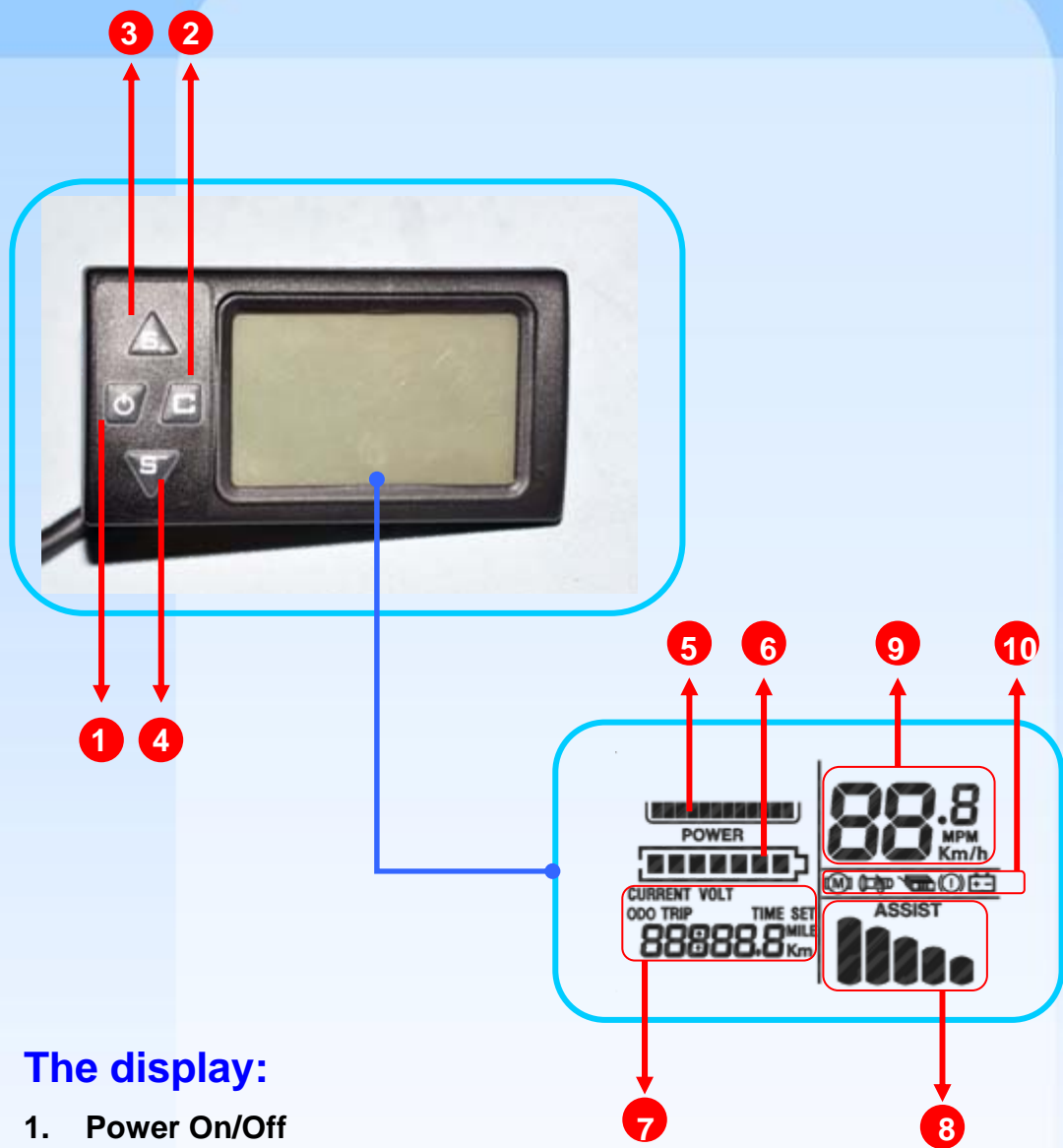


# **USER MANUAL**

**Model: LCD-213**




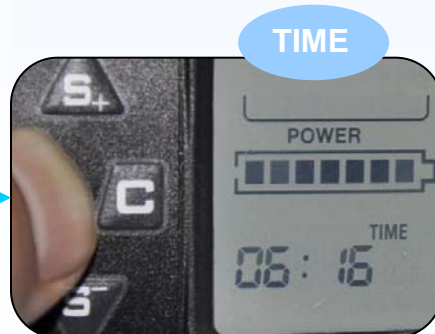
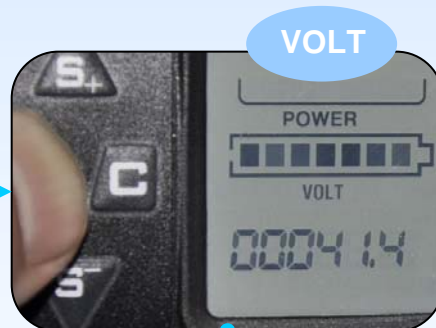
### The display:


1. Power On/Off
2. "Ok" button
3. "+" button; increase the value
4. "-" button; decrease the value
5. Motor power indicator
6. Battery voltage indicator
7. Zone for showing "total km", "trip", "V", "A", "trip time"
8. Zone for showing the PAS mode
9. Speed indicator
10. "Maintenance required" symbol

## Display operation

◎ The display features 4 buttons (single button)

1. Long press  for 2 seconds (photo 1) switch on/off the power. Once switch on the display, quick press the button can show the "odo", "trip", "volt", "current" and "time".



- 2** Setup/cancel manual operated cruise, turn on/off healight  (photo 2) .

1、 Long press  for more than 2 seconds , cruise on, long press again to cancel cruise.

2、 Quick press  to turn on/off the light.



- 3** Boost button for changing pedal assistance  
◦ Activate the PAS mode



Quick press  (photo 3) S+, PAS + 1

Quick press  (photo 4) S-, PAS - 1









◎ The display features 4 buttons ( composite button, for setup the controller )

Long press  (photo 3) +  (photo 4) enter to setup the parameter of controller



The parameter which can be reset containing wheel size(inch), numbers of magnetic jar, LCD screen light, undervoltage value and so on.

Enter to the setup page:

- 1、 Quick press button  (photo1) can change the item No
- 2、 Quick press button  or  to increase or decrease the value, selecting the value, quick press  (photo 2) save the settings.

Reset the parameters:

P0 1 (photo 7) : reset the wheel size(inch)



P0 2 (photo 8) : the motor rotate one cycle, the number of sampling signal by display.



P0 3 (photo 9) : The background light of LCD , optional for 3 levels.

P0 4 (photo 10) : setup the unit of odo and speed. "0" is (KM/H) , "1" is ( MPH ) .

NOTE: SOME SPECIAL MODELS ONLY (KM/H) , CAN NOT ADJUSTABLE.



P0 5 (photo 11) : setting of the max electric current of controller. The upper limit should be decided by the maximum current of controller . If the normal maximum current of controller is 15A, then the setting scope is 1-15A , can not be more than 15A, otherwise may break the controller.

12



**P0 6 (photo 12) :** setup the working voltage of battery: 24V、36V、48V。The reset working voltage should be same as the actual battery capacity。Otherwise the all system will not work。

13



**P0 7(photo 13) :** setup the undervoltage value of battery。After setting the battery voltage from P0 6 , setup the undervoltage value according to different capacity of battery type, different battery type have different undervoltage, please refer to appendix 1.

14



**P0 8 (photo 14) :** setup the phase of motor;it is just available with the brushless motor, the setting value is according to different motor type, if setup at 60 means 60° overlap angle, If setup at 120 means 120° overlap angle。The setting value should be same as motor phase。

15



**P0 9 (photo 15) :** setup the max speed of ebike。The max speed is decided by the motor rotating speed, it can be reset by ebike user, speed scope is 60%-100%。

## APPENDIX 1

The reference of battery undervoltage value				
battery type rate voltage (V)	lead acid battery	LiMn battery	Li-polymer battery	LiFePo4
24V	21V	21V	21V	20V
36V	31.5V	30V	30V	30V
48V	42V	40V	40V	40V