

S_LCD Advanced Setup Instructions (Version2.0)

S_LCD advanced setup function is only applicable to professional technicians. Advanced option parameters are as follows: P1_motor characteristics, P2_motor velocity signal pulse, P3_Power-assisted mode, P4_the throttle startup mode, P5_the power monitoring mode.

1. Enter advanced setup interface

A.The advanced setup is accessible after entering the general setup menu (such as speed-limitation parameter, wheel diameter parameter, metric or English unit selection).

B. Press the button SW to stop the three common parameters from flashing.

C. Press the button UP and DOWN synchronously for 2 seconds to enter the advanced options setup interface.

2. Set advanced option parameter P1

P1 is motor character parameter, and equals to reduction ratio multiplied by rotor alnico number. If decimal fraction appears, round off first. After entering the advanced setup interface, it is found that if the parameter P1 flashes, you could use the button UP and DOWN to adjust the P1.

3. Set advanced option parameter P2

P2 is motor velocity signal pulse parameter.After setting the P1,short press the button SW to set the parameter P2.If the wheel rotates one time, the pulse equals one, then P2 is set as one ,if the wheel rotates one time, the pulse equals six, then P2 is set as six. If the motor is not equipped with velocity signal outputting function, you could set the PS as 0.

Attention: if P2 is set as zero, the following defects may appear, when the motor stops rotating or the internal rotor rotates slower than the external rotor, the velocity indicated on the apparatus may be incorrect.

4. Set advanced option parameter P3

P3 is the power-aided mode. If the P3 is set as one, it indicates that the power-aided mode is five-grade torque simulation mode. If P3 is zero, the power-aided mode is five-grade mode. The setting method is the same as described above.

All the advanced option parameter setup finishes, long-press the button SW to save the settings and exit.

5. Set the Advanced Parameters P4

P4 is the throttle startup mode of. If P4 equals to 1, it indicates a non-zero startup mode of the throttle (that is to say, the throttle can only be effective after the pedal power starts). When P4 equals to 0, it means the throttle is on zero startup mode, (that is to say, the motor can be started directly by the throttle).

6. Set the Advanced Parameters P5

P5 is the power monitoring mode. If P5 equals to 0, it indicates that the power monitor is under the mode of "immediate voltage". In other words, it is a method to judge the battery capacity according to the current voltage of the battery. When P5 equals to a specified parameter, the battery monitor is under the mode of "smart power" (the parameter is determined on the basis of the battery characteristics, and it is generally among 4-11 for the common 24V lithium, and 5-15 for 36V lithium).

7. Parameter Saving

Long pressing the button SW will save and in the meantime exit the interface of parameter configuration after the adjustment of the parameter configuration.

8. Installation Method for Vehicle Speed Sensor

When the S_LCD matches the high-speed motor without speed output signal (with built-in clutch), it requires an external vehicle speed sensor. The installation method of the external vehicle speed sensor refers to the picture on the below. Pay attention to the relative positions of the magnet and sensor. When the S_LCD instrument is connected to the external vehicle speed sensor, set the parameter of P2 as 1.