# BMS LCD Screen User Manual

**Purpose:** To standardize the company's BMS LCD screen usage specifications, and to control and verify according to the specifications or requirements to ensure that the product quality meets the customer's requirements.

1. **Scope of application:** Applicable to all BMS LCD screens of the company.

2. **Rights and Responsibilities:** Please strictly observe all warnings and operating instructions in this manual. Please keep this manual and read the instructions carefully before using this manual correctly. Do not operate the unit until all safety information and operating instructions have been read carefully.

3. **Overview:**

**3.1** button description

Button 1---MENU, Button 2---ENTER, Button 3---DOWN,Button 4---ESC

**3.2** Each item starts with "》" or "--", where "》" displays the current cursor position, press the "DOWN" key to move the cursor position; end with the item "》 ", the content of the item is not displayed, press "ENTER" You can go to the corresponding page.


**3.3** Press "ESC" to return to the previous directory; at any position, press "NEMU" to return to the main menu page.

**3.4** In the sleep state, press any key to activate the screen.

**3.5** Sleep/shutdown: Under normal operating conditions, if there is no key input after 1 minute, the system will enter the sleep/shutdown state. In the power off/sleep state, press any key to activate the screen.

**4. Operation interface：Figure 1 shows**


Figure 1

**4.1 Analog Info: Figure 2 shows**

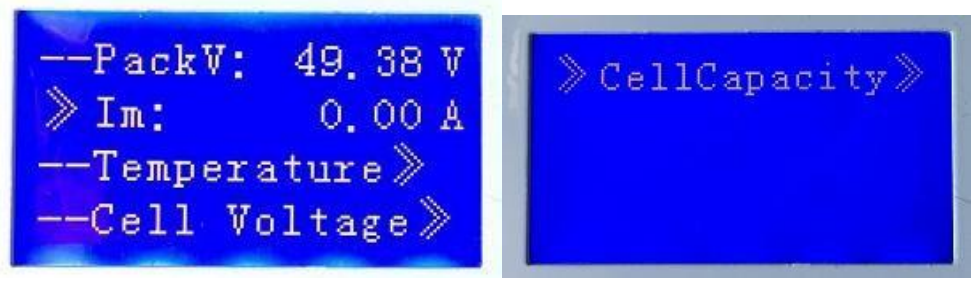


Figure 2

4.1.1 “Pack V” means Pack Voltage.

4.1.2 “Im” means Current.(Positive number when charging, negative when discharging, 0A when no operation).

4.1.3 “Temperature” means NTC induced temperature.(There are generally 4 cell temperatures. One MOS temperature, one environment temperature).Figure 3 shows.

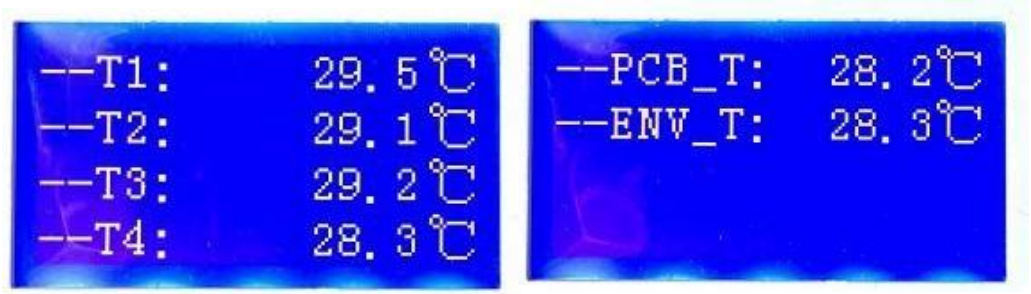


Figure 3

4.1.4 “Cell Voltage” means Voltage of each string. Figure 4 shows.

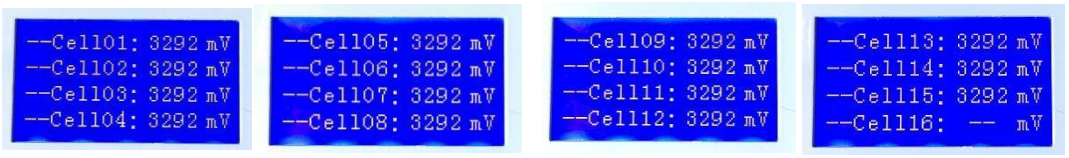


Figure 4

4.1.5 ”Cell Capacity” includes “SOC”、”FCC”、”Rm”、”CC”. Figure 5 shows.

SOC---State of charge

FCC---Full Charge Capacity

Rm---Remain Capacity

CC---Battery Cycle


Figure 5

**4.2 BMS Status** includes ”Status”、”Record”、”BMS Status”. Figure 6 shows.


Figure 6

4.2.1 Status includes “SCP”、”O/UTP”、”OCP”、”UVP”.Figure 7 shows. SCP---Short Circuit Protection

O/UTP--- Over/Up Temperature Protection

OCP---Over Current Protection

UVP---Up Voltage Protection

OVP---Over Voltage Protection

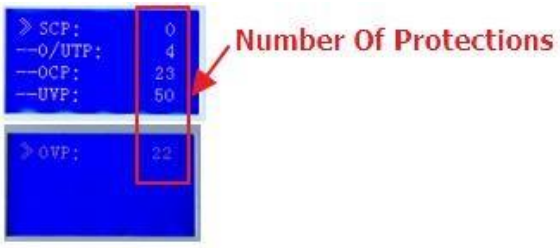


Figure 7

4.2.2 Record is nothing here.

4.2.3 BMS Status means BMS settings change record. Figure 8 shows.

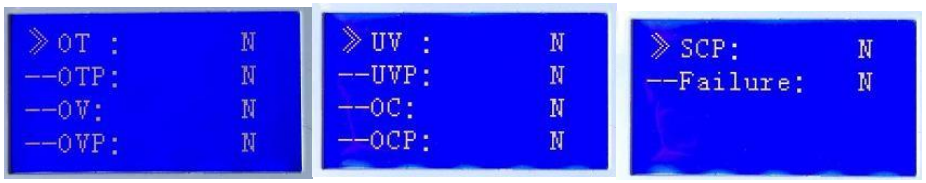


Figure 8

**4.3 Para setting.**(Non-production manufacturer can not use).Figure 9 shows.

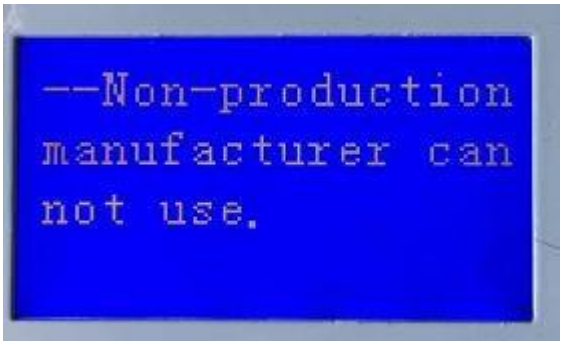


Figure 9

**4.4 Sys Setting, Baud Rate Figure 10 shows**

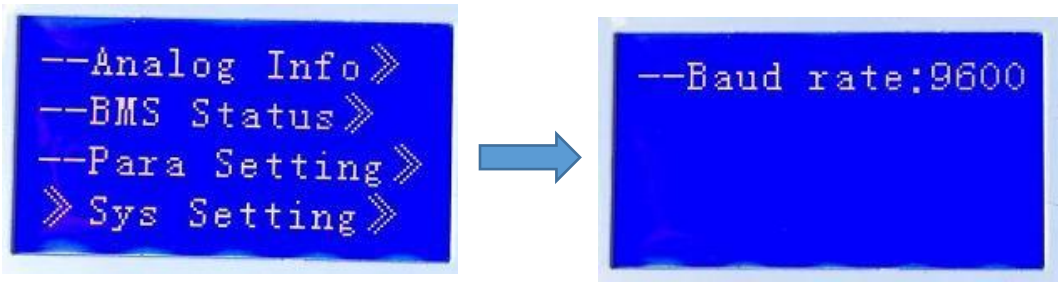


Figure 10