INSTRUCTION:

1. PH2.0 terminal products supporting the use of wire, connected to the circuit board face should plug back.
2. External NTC temperature sensor, please put the sensor to measure the temperature of the parts, do not squeece the sensor(selective assembly).
3. Red line to the positive terminal, black line to the negative terminal.
4. After the instrument is powered on, which shows the percentage of the battery power, the voltage value, and the symbl=ols of the analog battery.
5. Press the button to turn off the instrument. In close mode, you can wake up the instrument by pressing any button.
6. Click the button, you cna switch the voltage value and temperature value display.
7. The battery symbols on the display interface, from the right to the left, are 7 display boxes representiing the pool power from low to high.
8. The voltage on the display interface is measured in real time, and the voltage value is displayed on 10-100V.
9. The percentage on the display interface is the percentage of the remaining battery power.
10. When the battery is connected to the charger or the discharge of the high current load, the display parameters will fluctuate.
11. The red lightning flashes the alarm when the battery is low.
12. Low voltage buzzer alarm (Selective assembly).
13. If the battery specification is special, you can enter the set mode 3- - and reset the upper and lower limits of the measured battery voltage.

Go into setting mode:

1. Turn on the machine, press the button or 5 seconds, enter the main menu, as shown in Figure P2.
2. The main menu has 5 submenu: 1--, 2--, 3--, 4--, 5--
3. Press the button, and the 5 submenu loops.

4. Each function of the 5 submenu:

1--: Select lithium battery or lead acid battery or LiFeCoPO4 battery

2--: Setting delay time delay OFF/ON, and select delay time

3--: The voltage of percentage 0 to 100 could be

4--: Buzzer switch and alarm value setting 11.5V-40V

5--: Calibrate the instrument voltage again

5. Click the button, select the menu to enter, and hold the button for a little long time to quit.
6. All parameter mest be saved at the lase time.

Detailed Submenu Function:

1--: Quick change battery type

Under the menu, you can change the default parameters quickly. The L represents the lithium battery, and the latter figure is the series quantity of

Set step: Enter the menu 1--, as shown in P3, and display 1--L/P/F xx, click the button to switch between F, P, and L. Press the button to change the paremeters, select the appropriate battery specificaitons. After selection, press the button to save it. If you don't need to change other parameters, hold the button for a little long time to quit.

For example:

L3 represents 3 string lithium 4.2V*3S=12.6V

L4 represents 4 string lithium 4.2V*4S=16.8V

F4 represents 4 string LiFeCoPO4 3.2V*4S=12.8V

F8 represents 8 string LiFeCoPO4 3.2V*8S=25.6V

P12V stands for lead-acid 12V batteries

P24V stands for lead-acid 24V batteries

P3

Note: If you choose the battery specifications and the actual battery specifications are different the percentage value cannot be used as a reference value for the remaining battery power. The voltage value is the current battery voltage. All parameters must be saved at the last time.

2--: Setting delay time, delay ON-OFF

Under the menu, the time delay function and the delay time can be set, as shown in P4: Left side display switch status, right side display the delay time (10/30/60/120 unit: S)

Set step: Enter the menu 2- -, press the button to change t he parameters, select the appropirate battery specifications. After selection, press the button to save it. If you don't need to change other parameters, press the button to quit.

P4

Note: the time delay function work s only wehn it is turned on. If the function is turned on, the LCD panel will have a "D" display.

3--: The voltage of percentage 0 to 100 could be customed

If the battery spcification is not conventional, the adjust the battery voltage on the upper and lower lines by using the function under this menu.

2, The value on the right represent the voltage value of 100%.

P5

Set step: Enter the menu 3- -, press the button to adjust the setting voltage, press the button to carry, press and hold the button to save, and if you enter this menu is a mistake, you can press and hold the button to exit.

Note: the input value must be exceed the instrument working voltage, if the value on the left side is greater than or equal to the value on right side, the save is invalid.

4--: Buzzer alarm value setting and ON-OFF

Enter the menu4- -, as shown in P6:

1, the left side is the buzzer on-off status.

2, the valye on the right is alarm voltage value.

Set step: enter the menu4- -, press the button to take the buzzer on or off, press the button to carry, press and hold the button to save, and if you enter this menu is a mistake, you can press and hold the button to exit.

Note: the input 11.5V-40V value must not exceed the instrument working voltage, when the buzzer works, the red lightning symbol flashes in sync.

P6

5--: Calibrate the instrument voltage again

Enter the menu 5- -, as shown in P7: Before entering the calibration interface, pleae provide an accurate 20V operating voltage for the instrument to prevent misoperation, to enter the menu in 5- - status, press the button long. After entering this menu, the menu will be automatically cailbrated according to supplied voltage and cannot be calibrated according to the supplied voltage and cannot be calibrated if the voltage range is not between 19V and 20V.

Note: please provide an accurate 20V operating voltage for the instrument to ensure corrent calibration, when the calibration is complete, the instrument will automatically exit this menu and display the normal working interface.

P7