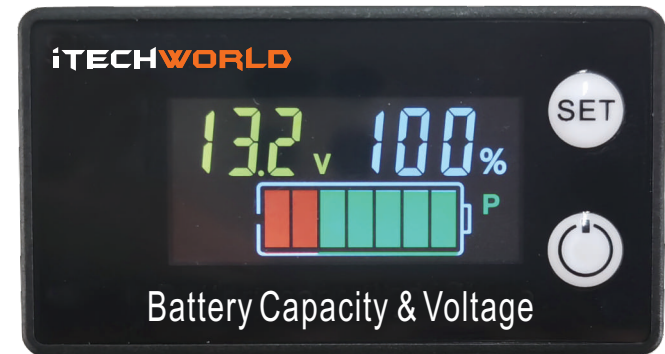




iTECHWORLD

Voltmeter & Power Detector



User's Manual



GO FURTHER Battery Monitor User Guide

Product Parameters

1. Range of Voltage Detection: DC 8- 100 V
2. Operating Current: ≤ 15 mA
3. Display Mode: LCD
4. Display Color:Color

Performance Indicators

1. Detection Precision: $\pm 1\%$
2. Opening Size: 58.5*28.5 mm
3. Refresh Rate: 500 ms per refresh
4. Dimensions: 61.3*33.3*13.5 mm

Description

- 1.P = Lead-acid battery includes: DC 12V, 36V, 48V, 60V, 72V, 84V (with power-off memory)
- 2.L = Ternary lithium battery ranges from L03series to L20 series (with power-off memory)
- 3.F = Iron-lithium battery ranges from F03series to F23 series (with power-off memory)
- 4.Customized setting for FULL and Empty voltage is : DC 8- 100 V

Pre-set specifications, to suit Lithium batteries:

- FULL 100% 13.5V
- Empty 0% 10.5V
- Low Voltage Alarm 11.5V

Tip: If you are using a lithium battery you do not need to do anything, it is all pre set!

HOME PAGE



Note : Button **S** =  **Switch**= 

Switch on displaying the Home page, hold the button **S** for 2 seconds to enter the Mode setting page, Press the button **S** to the next mode setting, and Hold **S** for 2 seconds again to go back to the Home page.

Mode Description

- Mode 1: P setting of Lead-acid battery
- Mode 2: L setting of Ternary lithium battery
- Mode 3: F setting of Iron-lithium battery
- Mode 4: Customized Empty and Full voltage; Empty voltage and Full voltage features are 00.0 000,
- Mode 5: Backlight setting:
When displaying 5-b, **Switch** ON/OFF; ON means that the backlight will automatically power off after 10s, while OFF means the backlight is constantly on.
- Mode 6: Low voltage alarm setting:
When displaying 00.0V Lo, the figures on the left is alarm voltage parameter (the alarm will be activated when the voltage is lower than it)
- Mode 7: Alarm sound setting:
When displaying 7-A, press the **Switch** to ON/OFF; ON means turn on the alarm sound, while OFF means the alarm is off.

Mode Parameter Setting

Lead-acid Battery

Mode 1 : Setting page of lead-acid battery, the voltage value flashes, press **Switch** select the voltage 12/36/48/60/72/84V, then press the button **S** confirm and save it (the voltage value is constantly on);
Press **S** to next mode settings, or Hold **S** for 2 seconds to go back the home page.



Ternary Lithium Battery

Mode 2 : On Ternary lithium battery setting page, the battery series value flashes, press **Switch** to select the series of battery, Then press the button **S** confirm and save it , value is constantly on.

Press **S** to next mode settings, or Hold **S** for 2 seconds to go back the home page.

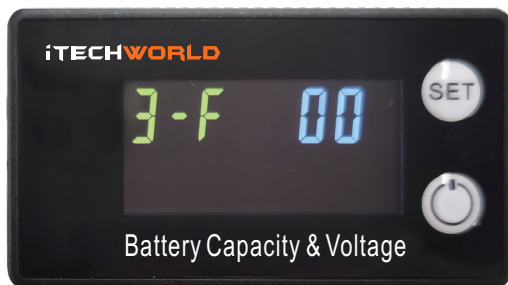


Lithium-iron Battery

There is no need to update as the monitor is already pre set to Lithium LiFePO4

Mode 3: On lithium-iron battery setting page, the series value flashes, press **Switch** to select the series of battery, Then press the button **S** to confirm and save it, the value will constantly be on.

Press **S** to the next mode settings, or Hold **S** for 2 seconds to go back to the home page.



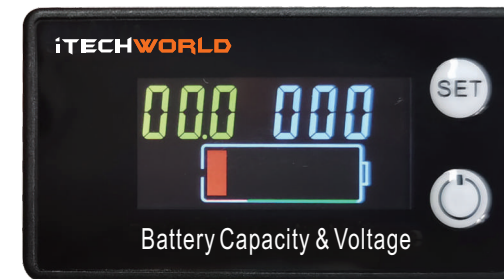
Customized Full and Empty voltage setting

Mode 4: Customized FULL and EMPTY voltage settings,

Left figure 00.0 = Empty Voltage

Right figure 000 =Full Voltage

Press **Switch** to set the digit value, and hold **Switch** for 2 seconds to shift the cursor; after Empty voltage and Full voltage are both properly set, press the button **S** to confirm and save it, the voltage value will constantly be on. Press **S** to the next mode settings, or Hold **S** for 2 seconds to go back to the home page.
Tips: 000 on the right shall be 00.0; for example, the actual display of 255 is 25.5.



Backlight Setting

Mode 5: On the backlight setting page, ON/OFF flashes, **Switch** to select ON /OFF; ON means that the backlight will be automatically powered off after a delay of 10 s, while OFF means that the backlight is constantly on; Then press the button **S** confirm and save it, the value will constantly on.

Press **S** to the next mode settings, or Hold **S** for 2 seconds to go back to the home page.



Low Voltage Alarm Setting

Mode 6 : Low voltage alarm setting, 00.0 on the left stands for value set; Press **Switch** to set the digit value, and Hold it for 2 seconds to shift the cursor; after the alarm, voltage is properly set, Then press the button **S** confirm and save it, the value will constantly on. Press **S** to next mode settings, or Hold **S** for 2 seconds to go back home page

Notes: If the parameters of the low voltage alarm are not customized by users, it will automatically alarm at 11.5V.

Alarm Sound Setting

Mode 7: Alarm sound setting page, ON/OFF flashes, press **Switch** select ON or OFF; ON turns on the alarm sound, while OFF turns off the alarm sound, Then press the button **S** to confirm and save it, the value will constantly be on. Press **S** to next mode settings, or Hold **S** for 2 seconds to go back home page



Thank you so much for choosing the **GOFURTHER** battery box! We appreciate your business.

If you've accidentally changed the setting on the voltmeter and need help getting it back onto the lithium setting, we're here to help! Please follow the simple step-by-step guide below and you'll be back up and running in no time:

Ensure the isolation switch is to the on position.

Press and hold the "SET" button.

You will see 1P and 00 blinking.

Quick press "SET" 2 times until you see 3F and 00 blinking.

Quick press "SET" again.

You will see 3 yellow zeros on the left and 3 white zeros on the right.

Press the "POWER" button to increase the value.

Press and hold the "POWER" button for 2 seconds to move to the next column.

Set the left-hand value (3 yellow zeros) to be 10.5 and the right-hand value (3 white zeros) to be 13.5. This lets the monitor know the 0% voltage of the battery and 100% voltage of the battery.

Press set to save.

We understand that sometimes written instructions can be difficult to follow, so we'll also send you a video tutorial to make things even easier for you. We hope this helps! If you have any further questions or concerns, please don't hesitate to reach out to our friendly customer support team who are always happy to help.

Thank you again for choosing **GOFURTHER**!