

Product Features

1. Specifically designed for lithium iron phosphate batteries, with precise compatibility for 1S–4S configurations
2. Percentage-based digital display for an at-a-glance view of battery level
3. Ultra-compact module size for easy integration into compact devices
4. Low-power operation extends the device's standby time
5. Made with high-quality materials to ensure product reliability

Product Specifications

Maximum Voltage Rating: 16V \pm 10%

Voltage Measurement Range: 3–12.8V

Battery Capacity: Unlimited

Battery Level Display: 0%–100% (10% increments)

Measurement Accuracy: 100% \pm 10%

Average Operating Current: Approx. 7mA \pm 10%

Module Dimensions: 18.1mm × 8mm × 6.1mm (L × W × H; manual measurements may have slight discrepancies; actual product dimensions prevail) Output Control: None

Reverse Polarity Protection: None (Positive and negative terminals must not be reversed; doing so will damage the module)

Product Overview

This product is suitable for displaying the percentage charge of 1, 2, 3, or 4-cell 3.2V LiFePO₄ batteries. Due to the demanding nature of LiFePO₄ battery voltage curves, the display currently shows only 10% increments (e.g., 0%–10%–20%... . 100%). This battery meter is available in four models: 1S, 2S, 3S, and 4S, corresponding to 1 cell (3.2V in parallel), 2 cells in series (6.4V), 3 cells in series (9.6V), and 4 cells in series (12.8V)

Precautions

1. Connect VCC to the battery positive terminal and GND to the battery negative terminal; labels are marked on both the front and back of the board

2. Ensure the power is disconnected before wiring; otherwise, accidentally touching the pins on the back of the board may cause a short circuit and damage the module. After soldering, verify that the power supply's positive and negative terminals do not touch the pin pads on the back of the battery meter before powering on.

3. There is no reverse polarity protection; connecting the positive and negative terminals incorrectly will damage the module. It is recommended to verify the polarity before connecting the wires.

Package Contents

Battery Level Display Module *1