

M241 DC Voltage and Battery-Level Display Module

Programmable 7-80 V monitor with voltage and remaining-capacity display



Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

Electrical and Mechanical Specifications

Parameter	Value
Model	M241
Input / measurement range	7-80 VDC
Display resolution	0.1 V
Display functions	Real-time voltage and remaining battery percentage
Configuration	Push-button upper/lower voltage threshold settings
Power supply	Self-powered from measured circuit
Board dimensions	Approximately 64 x 48 mm
Indicators	Six-digit LED display and audible buzzer

Key Features

- 7-80 V wide measurement range
- Voltage and battery-percentage display
- Programmable upper/lower thresholds
- Self-powered monitoring

Operating Notes

- Program the upper and lower thresholds for the actual battery chemistry and series count.
- This module monitors voltage-derived capacity; it is not a coulomb counter.
- Confirm polarity before connection.

Application and Connection Guide

APPLICATION & CONNECTION

BATTERY / DC BUS

7-80 VDC



LOCAL MONITORING

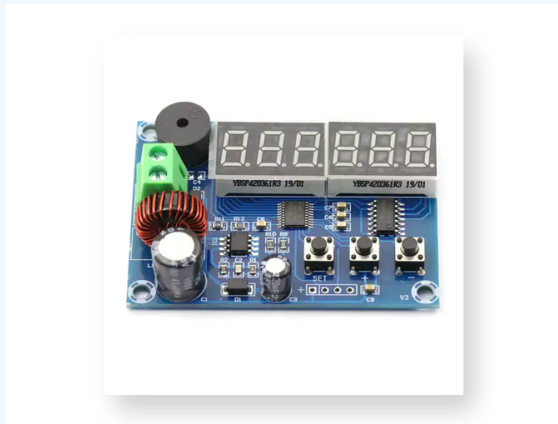
Voltage and % display

Verify polarity and configure voltage/current before connecting the load.

Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

KEY PRODUCT ADVANTAGES



- 1 **7-80 V wide measurement range**
- 2 **Voltage and battery-percentage display**
- 3 **Programmable upper/lower thresholds**
- 4 **Self-powered monitoring**