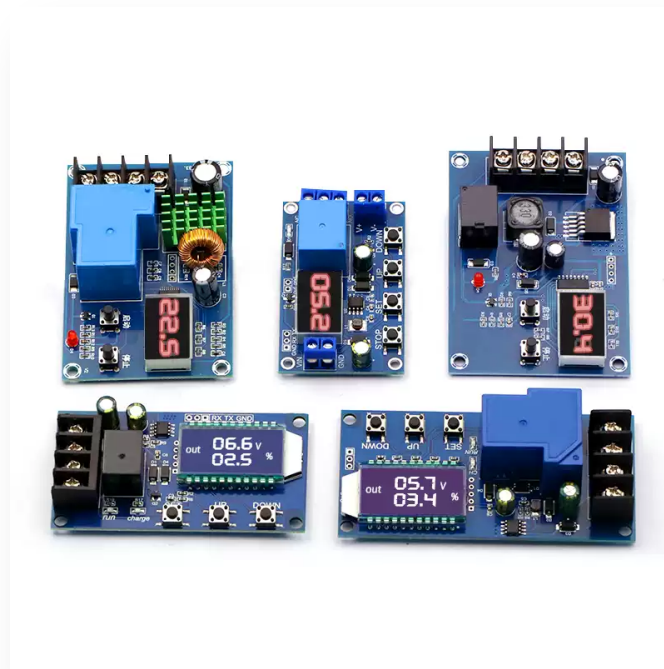


6-60 V Programmable Battery Charge / Discharge Controller

Relay control module with digital voltage display, timing and protection modes



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
Controller type	Programmable relay-based battery charge / discharge controller
Controller supply	6-40 VDC
Voltage measurement range	0-60 VDC
Displayed-voltage accuracy	±0.1 V
Timing range	0-999 minutes
Control modes	Charge, discharge, timed charge/discharge, window and out-of-window operation
User interface	Three-digit LED display and four pushbuttons
Board dimensions	Approximately 64 × 40 mm
Mounting-hole spacing	Approximately 58 × 34 mm
Mounting-hole diameter	Approximately 3 mm

Key Features

- Six programmable operating modes
- 0-60 V battery monitoring
- Charge / discharge timing control
- Reverse-polarity and emergency-stop functions

Operating Notes

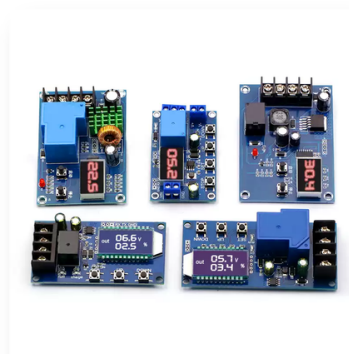
- The controller supply is 6-40 VDC; the measurement input supports up to 60 VDC.
- Program the lower and upper voltage thresholds before enabling the relay.
- The relay contact rating and wiring must be verified for the connected charger or load.

Application and Connection Guide

APPLICATION & CONNECTION

BATTERY / DC SOURCE

Monitored voltage



CHARGER OR LOAD

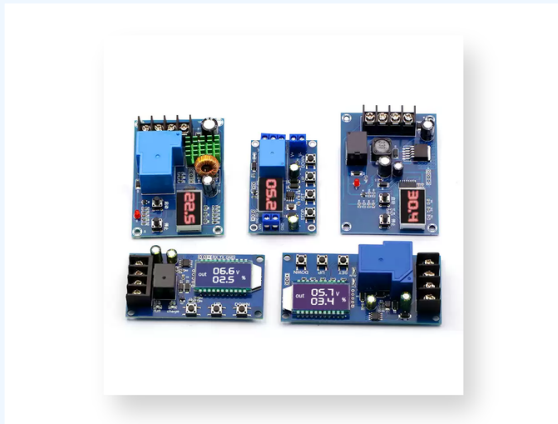
Relay-controlled path

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 Six programmable operating modes
- 2 0-60 V battery monitoring
- 3 Charge / discharge timing control
- 4 Reverse-polarity and emergency-stop functions