

UI5 Multifunction Battery Monitor and Controller

Digital voltage, current, power, capacity and timing monitor with charge/discharge control



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	UI5
Primary measurements	Voltage, current and power
Accumulated measurements	Capacity and operating time
Control modes	Battery charge and discharge control
Protection functions	User-set undervoltage and overvoltage control
Display	Color digital status display
Installation	Panel-mount meter with external current-sensing connection

Key Features

- Multiple electrical measurements
- Charge and discharge control
- Undervoltage / overvoltage protection
- Capacity and time accumulation

Operating Notes

- Configure voltage thresholds for the connected battery chemistry before use.
- The saved page does not expose a reliable universal voltage or current range.
- Verify sensing and control wiring before applying power.

Application and Connection Guide

APPLICATION & CONNECTION

BATTERY / DC SOURCE

Voltage and current sensing



DC LOAD OR CHARGER

Controlled power 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 Multiple electrical measurements

2 Charge and discharge control

3 Undervoltage / overvoltage protection

4 Capacity and time accumulation