

5 A CC/CV Buck Power Module with Display

Adjustable step-down supply for LED driving and battery charging



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
Conversion type	DC-DC buck / step-down
Maximum current class	5 A, thermally limited
Control modes	Constant voltage and constant current
Display	Voltage, current and power readout
Adjustment	Separate voltage and current controls
Enclosure	Clear protective acrylic case
Output interface	Screw terminals and USB port

Key Features

- CV and CC regulation
- Voltage/current/power display
- Protective acrylic enclosure
- Battery-charging and LED applications

Operating Notes

- The saved page does not expose a reliable numeric voltage range; confirm the exact board revision before operation.
- Set current and voltage limits before connecting a battery.
- Provide airflow when operating near the 5 A current class.

Application and Connection Guide

APPLICATION & CONNECTION

HIGHER DC INPUT

DC source



LOAD / BATTERY

Lower regulated output

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 **CV and CC regulation**
- 2 **Voltage/current/power display**
- 3 **Protective acrylic enclosure**
- 4 **Battery-charging and LED applications**