

75 W 5 A Adjustable Buck Converter with Voltmeter

High-current DC-DC step-down regulator with digital voltage 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
Conversion type	Non-isolated DC-DC buck converter
Power class	Up to 75 W with adequate cooling
Current class	Up to 5 A, thermally limited
Output	Adjustable regulated DC output
Display	Integrated digital voltmeter
Adjustment	On-board voltage potentiometer

Key Features

- 75 W / 5 A power class
- Integrated voltage display
- Adjustable regulated output
- High-efficiency step-down conversion

Operating Notes

- Set the output voltage before connecting the load.
- Use airflow or additional cooling at high current.
- Output must remain below input voltage.

Application and Connection Guide

APPLICATION & CONNECTION

HIGHER DC INPUT

DC source



LOWER-VOLTAGE LOAD

Adjusted 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 **75 W / 5 A power class**
- 2 **Integrated voltage display**
- 3 **Adjustable regulated output**
- 4 **High-efficiency step-down conversion**