

300 W 10 A Adjustable DC-DC Buck Power Supply

Enclosed high-power step-down regulator with digital voltmeter



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
Maximum power class	Up to 300 W
Maximum current class	Up to 10 A
Output	Adjustable regulated DC output
Display	Integrated digital voltmeter
Enclosure	Perforated metal protective case
Connections	Screw terminals for input and output

Key Features

- 300 W / 10 A power class
- Integrated output-voltage display
- Adjustable regulated output
- Protective ventilated enclosure

Operating Notes

- The saved page does not expose a reliable complete voltage range; verify the exact purchased revision.
- The 300 W rating requires heavy wiring, low connection resistance and adequate cooling.
- Set and confirm the output voltage before connecting the load.

Application and Connection Guide

APPLICATION & CONNECTION

HIGHER DC INPUT

High-current source



LOWER-VOLTAGE LOAD

Adjusted DC 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 **300 W / 10 A power class**
- 2 **Integrated output-voltage display**
- 3 **Adjustable regulated output**
- 4 **Protective ventilated enclosure**