

32 V / 5 A / 160 W Digital Buck Power Module

Digitally controlled adjustable step-down supply with voltage and current 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
Topology	Non-isolated DC-DC buck converter
Voltage class	32 V
Maximum current class	5 A
Maximum power class	160 W
Display	Digital voltage and current display
Control	Digital voltage/current setting interface
Connections	Input and output screw terminals
Typical use	Adjustable supply or battery charger

Key Features

- Digital voltage/current control
- 5 A current class
- 160 W power class
- Integrated output display

Operating Notes

- This is a step-down converter; output must remain below input.
- Confirm charge settings for the connected battery before use.
- High-power operation requires suitable cooling and wiring.

Application and Connection Guide

APPLICATION & CONNECTION

HIGHER DC INPUT

Within module limits



DC LOAD / BATTERY

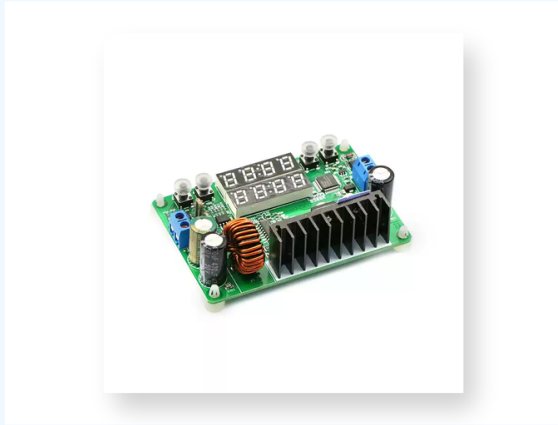
Adjusted lower voltage

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 Digital voltage/current control

2 5 A current class

3 160 W power class

4 Integrated output display