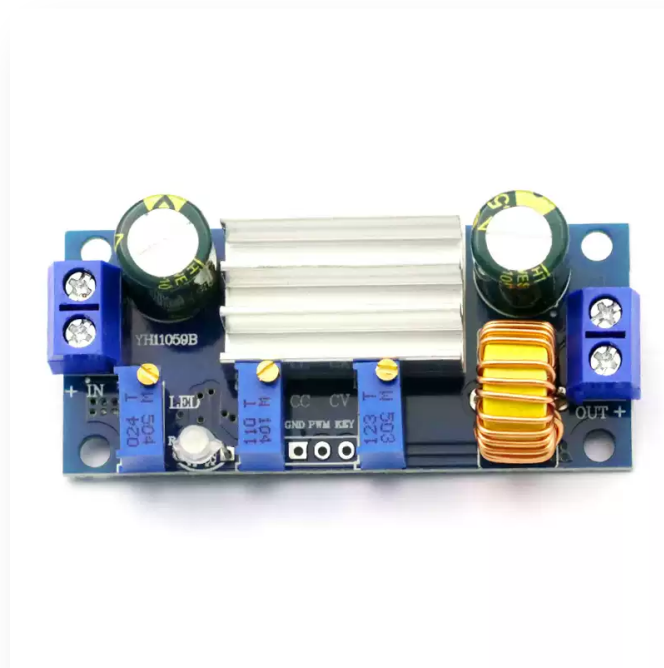


5 A CC/CV PWM Buck Converter Module

Step-down solar, lithium-charging and LED-driver controller



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
Maximum current class	5 A
Control modes	Constant voltage and constant current
Control input	PWM control interface
Adjustment	Voltage, current and control-setting potentiometers
Cooling	Integrated aluminum heatsink
Connections	Input and output screw terminals

Key Features

- 5 A current class
- CC/CV regulation
- PWM control input
- Integrated heatsink

Operating Notes

- This module performs step-down conversion only.
- Configure battery charge voltage and current before connection.
- Provide airflow and verify PWM logic compatibility.

Application and Connection Guide

APPLICATION & CONNECTION

SOLAR / DC INPUT

Higher DC voltage



BATTERY / LED LOAD

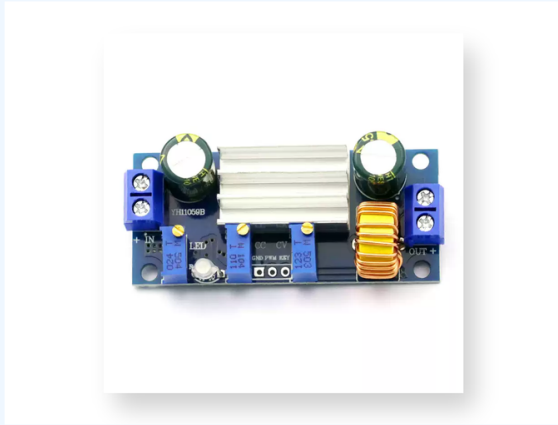
Controlled CC/CV

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 **5 A current class**
- 2 **CC/CV regulation**
- 3 **PWM control input**
- 4 **Integrated heatsink**