

DC-DC Buck-Boost Converter Module (5A)

DFR0946

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot DC-DC Buck-Boost Converter Module (5A) integrates DC-DC boost and buck onto one device. The device allows the input voltage to be greater or less than the output voltage while the output remains unchanged. With automatic voltage stabilization and constant current function, the buck-boost converter module features a settable maximum current, up to 89% conversion efficiency, and a maximum output of 5A. It is suitable for industrial power supply, DIY smart power supply, embedded system power supply, and other scenarios.



Features

- Integrates DC-DC boost and buck

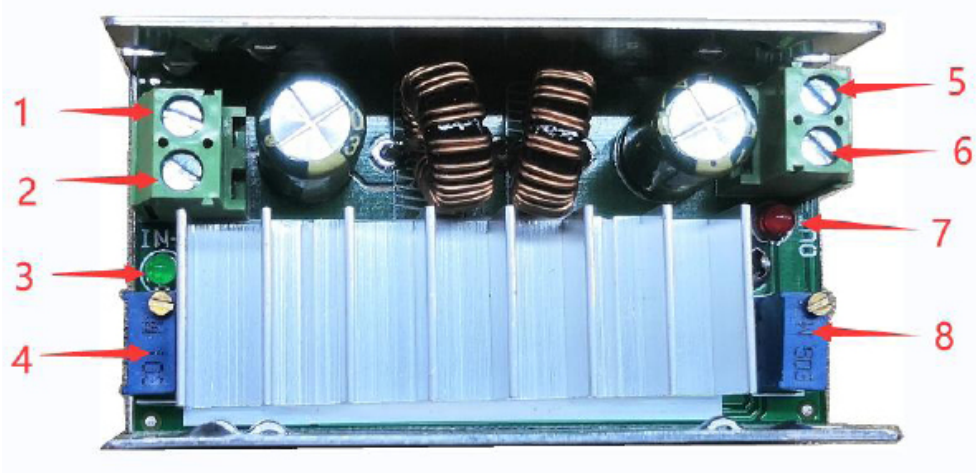
Specifications

- DC 6~ 35V input voltage range
- DC 1.0V~ 3.3V output voltage range
- 0.05A~ 5A constant current adjustment range
- 90% conversion efficiency
- 7A maximum input current
- 5A maximum output current
- Module size:
 - 70mm x 39mm x 32mm (L x W x H)/ 2.76" x 1.54" x 1.26"

Applications

- Industrial power supply
- DIY smart power supply
- Embedded system power supply

Module Overview



1. Input +
2. Input -
3. Constant Current Indicator
4. Constant Current Regulation
5. Output +
6. Output -
7. Output Indicator
8. Output Voltage Regulation

Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-buck-boost-converter-module/>