

20W Adjustable DC-DC Buck Converter

DFR0379

Product Overview

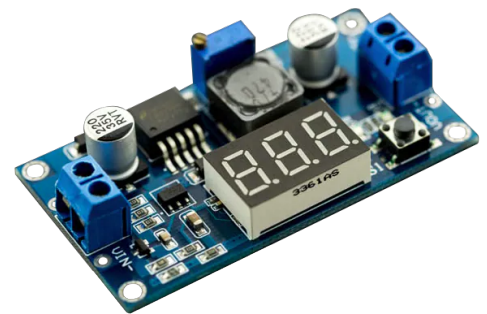
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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot 20W Adjustable DC-DC Buck Converter is based on LM2596 3A step-down voltage regulator. This converter has a digital display with the output voltage readout integrated into the board.

The 20W adjustable DC-DC buck converter supports a 0V to 40V DC input voltage range with an accuracy of $\pm 0.05V$ and a self-calibration function to provide high-precision voltage input. This converter features 20W output power, 88% conversion efficiency, overheating protection, and a 1.25V to 37V continuously adjustable output voltage range. The 20W adjustable DC-DC buck converter is ideal for use in power transformers, DIY adjustable power supplies, 24V vehicle power supplies, industrial equipment, and batteries.



Features

- Supports self-calibration function to provide a high-precision voltage output
- Touch button to switch the measurement from input to output
- 88% high conversion efficiency
- 1.25V to 37V adjustable output voltage range
- Overheating protection, reverse polarity protection, and short circuit protection

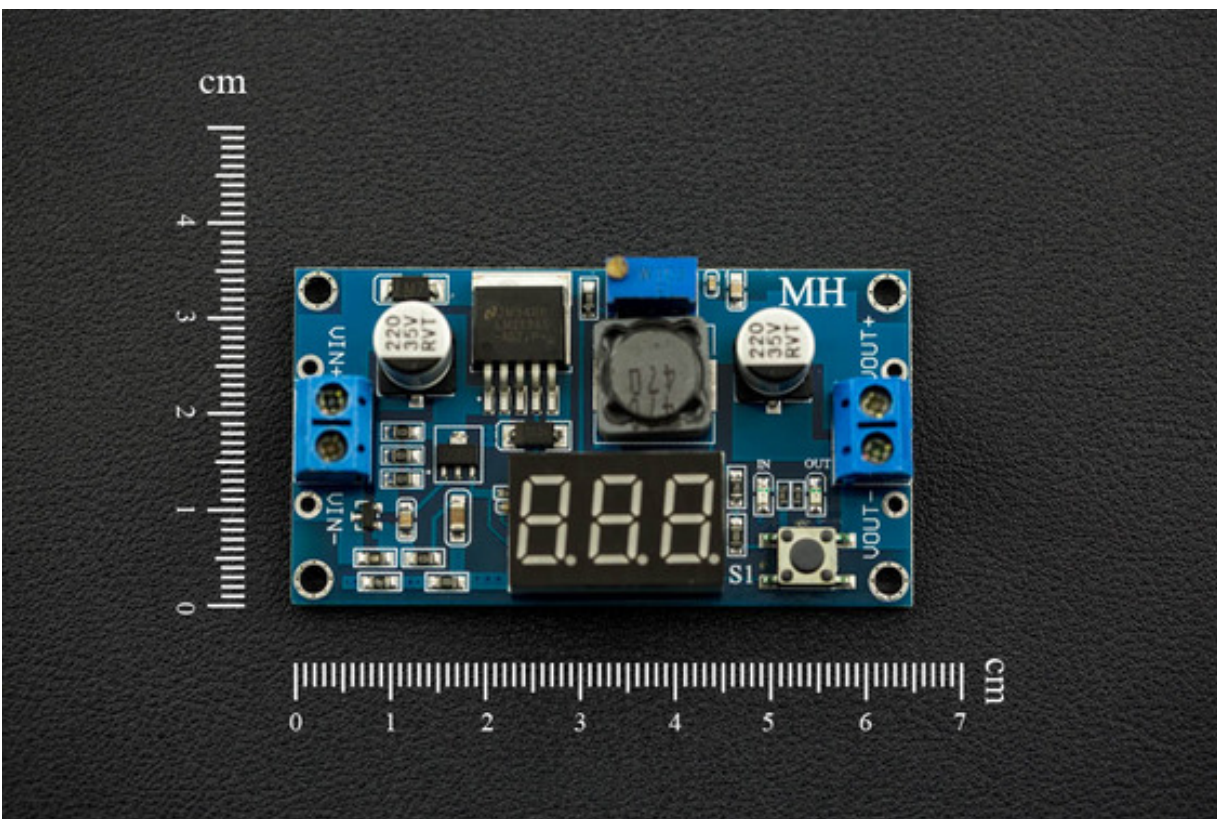
Specifications

- 4V to 40V input voltage
- 20W output power
- 3A output current
- 6.6cm x 3.6cm x 1.2cm dimensions

Applications

- Power transformers
- DIY adjustable power supplies
- 24V vehicle power supplies
- Batteries
- Industrial equipment

Board Dimensions



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0379-buck-converter/>