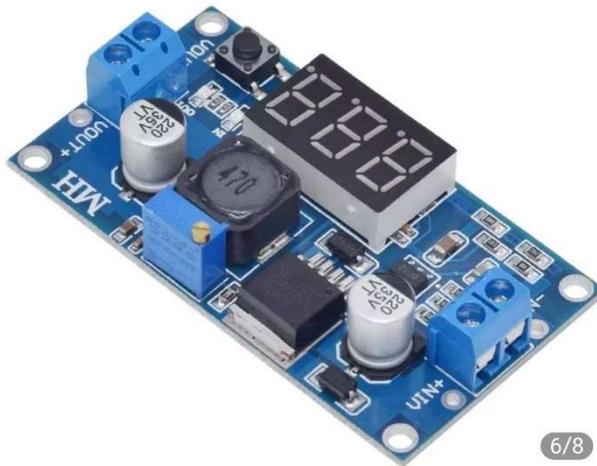


Buck stepper LM2596



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Features

1. Input voltage range: 4~40VDC
2. Output voltage range: 1.25~37VDC adjustable
3. Output current: 2A
4. volt meter range: 0 to 40V,
5. volt meter Accuracy: $\pm 0.1V$
6. Input reverse polarity protection
7. Built in output short protection function
8. Built in thermal shutdown function
9. L x W x H =6.1x3.4x12 cm
10. Weight: 22g
11. LED digital voltmeter tube, the accuracy is adjustable function, can be aimed at your multimeter adjustable accurate.
12. Press the right key to let the display show the input or output voltage. when the right "OUT" led light, it shows output, the left "IN" led show input.

How to adjust the accuracy

- (1) Output voltage calibration steps
 - Step 1, adjust the right button so that "OUT" LED lighted, the voltmeter shows the value of output voltage; Press the right button for more than 2 seconds, release, voltmeter and "OUT" LED flashes in synchronization so that you enter the output voltage calibration mode.
 - Step 2, press the right button (normal speed), the voltage value is adding up a unit; Press the left button, minus a unit; Due to a unit is less than 0.1V, the minimum voltage display to 0.1V, so you need to continuously press 1-5 times to see the voltmeter change 0.1V, how many times voltmeter change 0.1V by pressing the key, depending on the current display voltage, the higher the voltage, the fewer the number of press.
 - Step 3, press the right button for more than 2 seconds, release, to exit the output voltage calibration mode. All parameters set to automatically

power down to save.

- (2) Input voltage calibration steps
 - Step 1, adjust the right button so that "IN" LED lighted, the voltmeter shows the value of input voltage; press the right button for more than 2 seconds, release, voltmeter and "IN" LED flashes in synchronization so that you enter the input voltage calibration mode.
 - Steps 2 and 3, consistent with the output voltage calibration method.

Note

Some customers report: "The module cannot be adjusted; the output voltage is always equal to the input voltage." When you encounter this problem, please counterclockwise rotation of the potentiometer 10 laps or more, then you can adjust the output voltage. Because the factory default output voltage is 20V.

Source

<https://www.pixelelectric.com/electronic-modules/voltage-regulator/buck-converter-step-down/lm2596-dc-dc-buck-step-down-converter/>