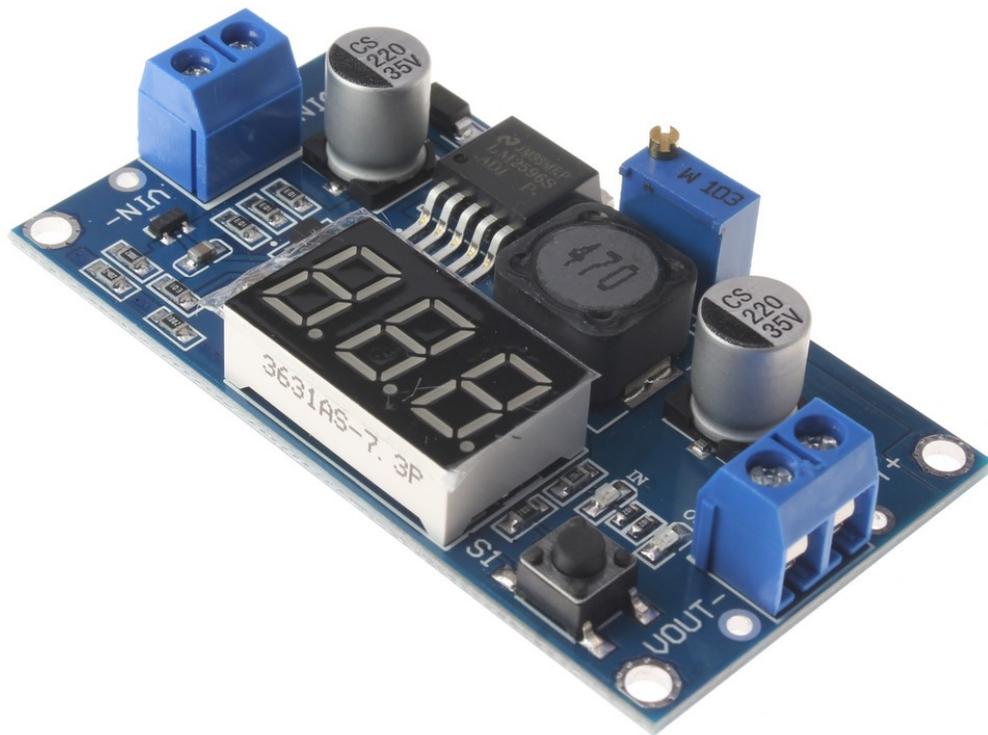


# LM2596 Step Down DC-DC Converter With Voltage Meter Power Module

---



---

This version of LM2596 DC-DC step-down (buck) power supply module includes the very useful addition of an integrated digital voltage meter. The voltage meter is capable of sensing both input and output supply voltages and can be quickly switched between the two by pressing a voltage selection button on the module...

- **PRODUCT DETAILS :**

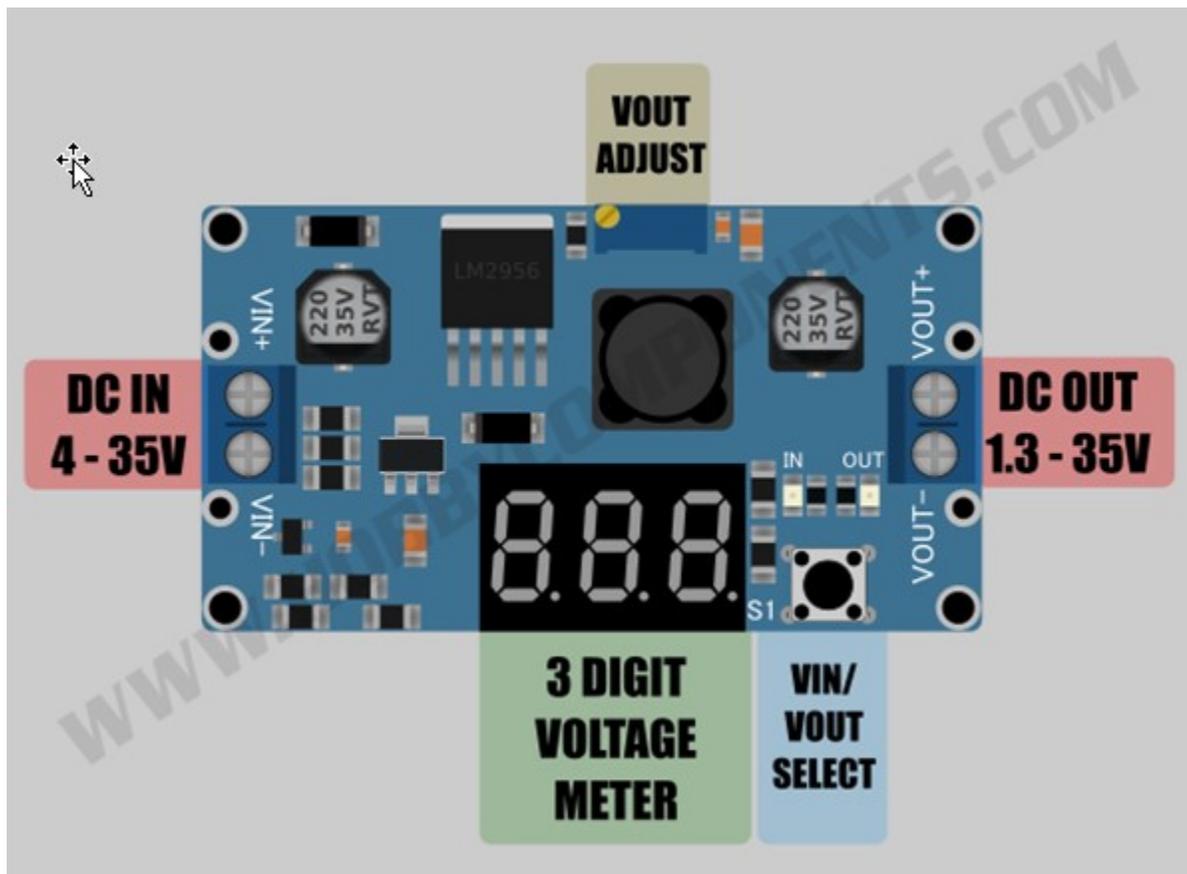
This version of LM2596 DC-DC step-down (buck) power supply module includes the very useful addition of an integrated digital voltage meter. The voltage meter is capable of sensing both input and output supply voltages and can be quickly switched between the two by pressing a voltage selection button on the module. Together with its high precision multi-turn potentiometer this means any desired output voltage within its supply range can be set without the need for an external voltage meter. The module also boasts a very high operating range with a DC input supply range of 4 - 35V and an adjustable output range of 1.3 - 35V. In addition to its voltage range it has a high output current capability of up to 2A (see notes below). Connection to the module is provided with the option of both input and output screw terminals or large solderable pads if a more permanent connection is required.

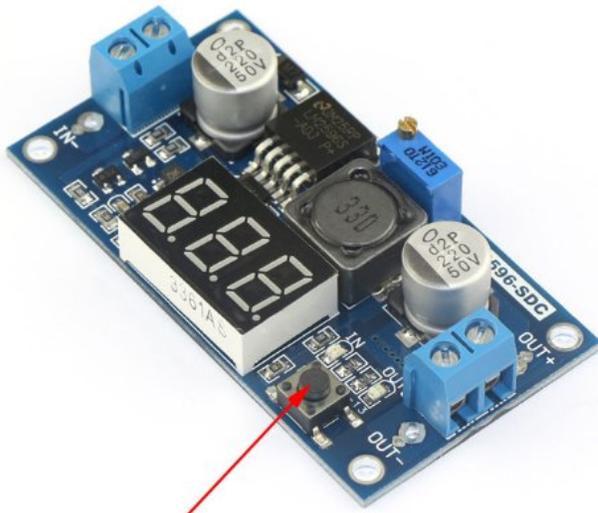
○ **Features :**

Output Voltage: Continuous Adjustable (1.3v-35 V)

- Maximum Output Current: 2A\*
- Voltmeter Resolution:  $\pm 0.1V$
- Voltmeter Digital Display Range: 0v-45v
- Voltmeter Input Voltage Range: Dc 4v-40v (The range of input voltage is 4.2~40V and output voltage is 1.25V~37V , which are continuously adjustable . The input voltage must 1V higher than output voltage)
- Voltage meter can be closed by long pressing button (minimum power loss).
- Use 150KHZ internal oscillation frequency , which is belong to the second generation of switch voltage regulator with low consumption and high efficiency.
- Size : 66 \* 36mm

Notes: Maximum current is dependent on input and output voltages, ambient temperature and cooling. To achieve maximum ratings an external heatsink may be required. Maximum LM2596 operating temperature must not exceed 125oC otherwise permanent thermal damage can occur.





Switch to Input or Output voltage display

