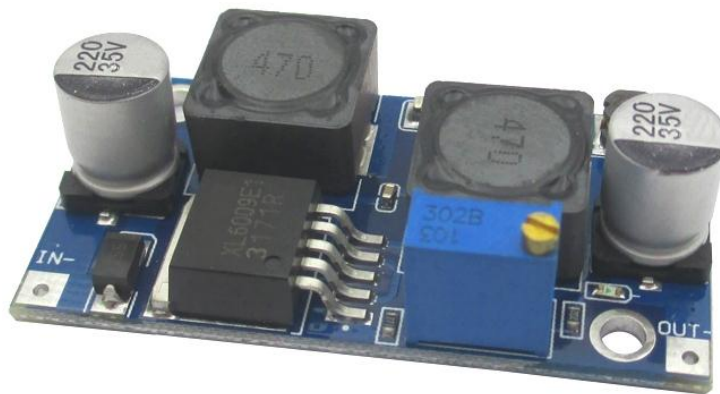


## Data Specs

### XL6009 Auto Step-Up/Step-Down 3A DC-DC Converter

The XL6009 regulator module is a wide input range, current mode, DC/DC converter which is capable of auto step-up and step-down of input voltage to required output voltage. Output voltage is continuously adjustable with multi-turn potentiometer.



SKU: [PSU-1016](#)

#### Brief Data:

- Input Voltage: 5V~30Vdc.
- Output Voltage: 1.5~35V (continuously adjustable)
- Output current: 3A Max (heat sink required).
- Conversion efficiency: Up to 92%.
- Switching Frequency: 150KHz.
- Rectifier: Non-Synchronous Rectification
- Module Properties: Auto step-up/step-down mode (buck-boost converter).
- Short circuit protection: current limiting.
- Operating temperature: Industrial grade (-40 °C to +85 °C) (output power 10W or less)
- Load regulation:  $\pm 0.5\%$
- Voltage regulation:  $\pm 0.5\%$
- Dynamic response speed: 5% 200uS
- Board Dimension: (48x25x1.5)mm

*Note that this is auto step-up/step-down converter module; input voltage can be higher or lower than output voltage.*



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