

DC 5-32V to 1.25-20V Boost Buck Converter

(090747)

Product Parameter:

Input Voltage: 5-32V

Input Current: 8A (MAX) peak 10A (6A long-term work)

Quiescent Current: 4mA

Output voltage: 1.25-20V (continuously adjustable, default output 12V)

Output Current: 5A (MAX) (3A long-term work)

Output Constant Current: 0.2-5A

Working temperature: -40 to +85 degrees

Operating Frequency: 150KHz

Conversion efficiency: up to 96%

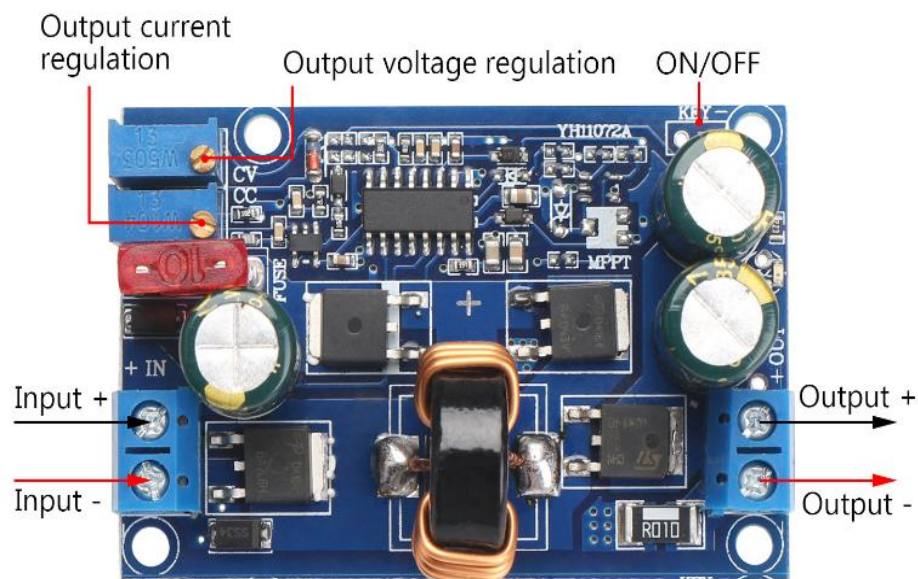
Overcurrent protection: Yes

Short-circuit protection: (enter 10A fuse) double circuit protection

Over-temperature protection: Yes, automatic reduces the output voltage if over temperature

Input Reverse Polarity Protection: No (if necessary, please connect diode with input in series)

Wiring Connection:



Application:

Used for solar energy, car Voltage regulator, battery charging, LED motivator.

DIY a regulated power supply, provide a stable operating voltage, work as a LED driver.

Current Adjusting:

- (1) Connect power supply, turn the voltage potentiometer to set the output voltage that you need.
- (2) Turn current potentiometer anti-clockwise for about 30 circles to set the minimum output current.
- (3) Then connect a LED (road), turn current potentiometer to set the output current that you need.

Note:

Do not short connect the output to adjust current; otherwise, this product will be damaged.

When used to charge battery, please fully discharge the battery at first, and then connect the battery to the output.