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.