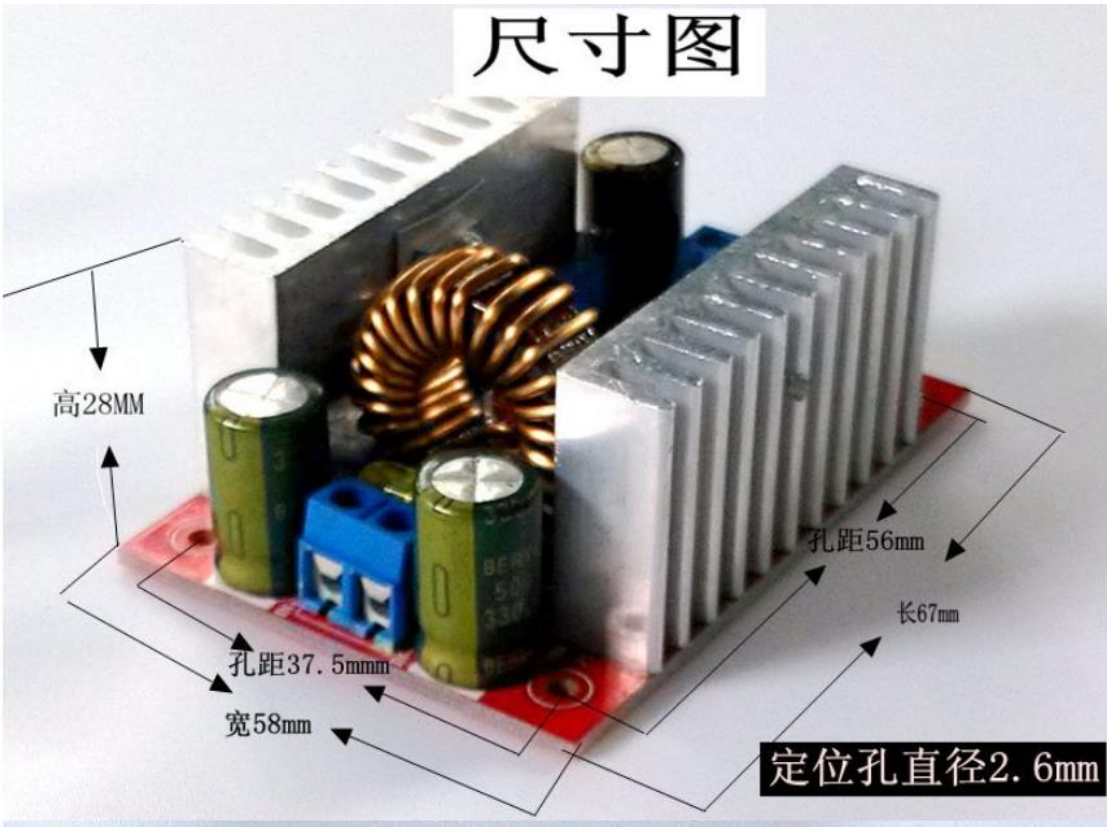
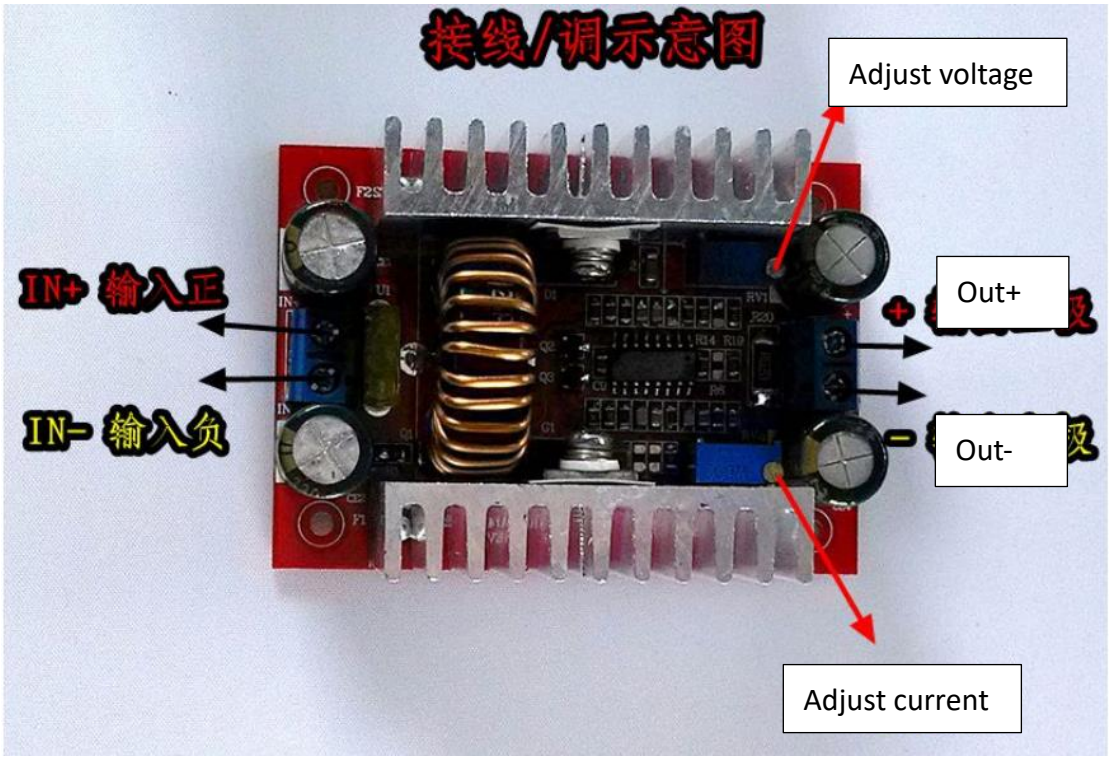


Module name] 400W boost constant current module
Non-isolated BOOST module (BOOST)
[Input voltage] : DC8.5V-50V
[Input current] : 1 (MAX) Over 8A, please strengthen heat dissipation
[Static working current] : 10mA(when 12V rises 20V, the higher the output voltage is, the static current will increase)
[Output voltage] : 10-60V continuous adjustable (default output 19V delivery, if you need other voltage, please tell the shopkeeper.
12-80V fixed output (for bulk customers)
[Output current] : 12A MAX over 7A, please strengthen heat dissipation (related to input and output pressure difference, the larger the pressure difference, the smaller the output current)
Constant current range: 0.2-12A
Output power: = input voltage *10A, such as: input 12V*=60W, input 24V*=120W, Input 36V*=180W, input 48V*=240W,

… CONTINUES

[Working temperature] : -40~+85 degrees (when the ambient temperature is too high, please strengthen the heat dissipation)
[Working frequency] : 150KHz
[Conversion efficiency] : 96% (efficiency is related to input and output voltage, current and pressure difference)
[Overcurrent protection] : yes (the input exceeds 1, automatically reduce the output voltage, there is a certain range of error.
[Input reverse connection protection] : none, (if you need more reverse current, please input the diode)
[Installation] : 4 2.5mm screw holes
[Wiring mode] : Wiring output
[Module size] : length 67mm width 48mm height 28mm
[Module single weight] : 60g



… CONTINUES

I. Output voltage/current regulation method:

1, adjust the "CV-ADJ" potentiometer, according to your battery or LED, the output voltage is set to the voltage value you need. For example, the voltage of 10 LED is adjusted to 37V. (Increase the counter clock voltage and decrease the clock voltage)

2, counterclockwise "CC-ADJ" potentiometer about 30 laps, the output current set as, connected to the LED, adjust RV2 potentiometer to the current you need. Used for battery charging, put the battery after the power, and then received the output, RV2 to the current you need, (for charging must be put out of the battery to adjust the accurate, because the battery left in the amount of electricity, the smaller the charging current.)(Turn down the clock current and turn up the clock current)

Please do not use short circuit to adjust the current, the circuit structure of the booster module can not be adjusted by short circuit.

Application scope:

1, DIY a regulated power supply, input 12V can, the output can be 12-50V adjustable.

2, power supply for your electronic equipment, can be set according to your system voltage output value.

3, as a vehicle power supply, power for your laptop, PDA or various digital products.

4, DIY a high-power notebook mobile power supply: with a large capacity of 12V lithium battery pack, so that your book can go to where the light to where.

5, the solar panel voltage stabilizer.

6. Charge batteries, lithium batteries, etc.

7, drive high power LED lamp.