

P/N: 250W-DC-DC / 200126

Module name :250W boost constant current module

Module properties: non-isolated step-up module (BOOST)

Input voltage: DC8.5V-48V max.

Input current: 10A (MAX) if exceeds 8A please ensure sufficient heat dissipation

Quiescent current: 10mA (12V ~ 20V, higher output voltage an increase current will apply).

Output voltage: 10-48V adjustable

Constant range: 0.2-8A

Temperature: -40 to + 85 degrees (High ambient temperature, extra heat dissipation is required).

Operating frequency: 150KHz

Conversion efficiency: up to 96%

Input reverse polarity protection: Yes,

Mounting holes: 4x 3mm

Connection method: Wired Connection

Module size: Length 70mm, width 36mm, height 13mm

Single module: 50 g

The method of adjusting output voltage and output current:

1. Adjusts RV1 to your required voltage needed.
2. Adjusts RV2 to your required current needed. Clockwise sets the minimum value.

Note: Do not short circuit the output wires this will damage the DC-DC Booster.

E.G: Battery should be fully discharge when setting the charging current, adjust the current of RV2 potentiometer to your requirements.

Alternatively to set the current, use a low ohm resistance and with a meter adjust RV2 to the required current.

Applications:

- 1, DIY a power supply, 12V input and output 14-48V adjustable.
- 2, The power supply for your electronic device, according to your system can set the output voltage value.
- 3, As the car power supply for your laptop, PDA or a variety of digital products supply.
- 4, DIY a mobile notebook power supply: 12V coupled with high-capacity lithium battery pack, so you can have a portable charger.
- 5, Solar panel regulator.
- 6, Universal battery charge: Lead-Acid, Ni-MH and lithium batteries.
- 7, Driving high-power LED lights.

