



**DC DC 200W 12A step down buck Converter 4.0-40V to 1.2-30V 12A MAX power supply module**

### **Product Details**

Place of Origin: Guangdong, China

Model Number: D066V

Output Power: 101 - 200W

Input Voltage: 4.5-30V

Output Voltage: 0.8-28V

Type: DC/DC Converters

Output Type: Single

Output Current: 12A MAX

Output Frequency:-

Size: 60\*52\*20MM

Weight: 74G

Input voltage: 4.5-32V

Output voltage: 4.5-28V

work temperature: -40~+80 degree

certificate: CE RoHS

Operating Temperature: -40~+85

Supply Voltage: 4.5-32V

Product name: step down Converter

SIZE : 60mm\*52MM\*20MM

**Feature:**

- Module Properties: non-isolated step-down module
- Input voltage : **4.0-40V**
- Output voltage: **1.2-30V** (adjustable) output must be lower 2V than input.
- Output Current: 0 - 12A (MAX)
- Input Current: 12A (MAX) (Please enhance heat dissipation if more than 10A)
- Output power: natural cooling 100W , enhance heat dissipation 200W (MAX)
  
- Conversion efficiency: 95%
- Operating Temperature: Industrial (-40°C to +85°C) (ambient temperature exceeds 40°C, lower power use, or to enhance heat dissipation)
- Short circuit protection: None (Please Install fuses and protection circuits at Input port.)
- Input Reverse Polarity Protection: None (Please Series diode at the input port.)

**Some Applications:**

1. DIY an output adjustable vehicle power supply, connect the 24V input, and output could be 5-12V(adjustable freely), However, the output voltage can not be higher than the input voltage.
2. Car laptop power supply: connected to 24V power supply, output voltage regulation as your notebook need.

**Description:**

- Module can be applied to the buck areas which the input voltage is higher than the output voltage, such as batteries, DIY adjustable power supply, 24V car T of the power supply, etc.
- 12A synchronous-rectified adjustable and non-isolated step-down module(BUCK).
- Input voltage: DC4.5-30V (Limit 30V), output voltage: DC1.2-32V continuously adjustable.
- Conversion efficiency can reach to 95% (efficiency relates to input and output voltage, current, voltage difference).
- With short circuit protection(limit current 12A), input fuse is 12A.With over-temperature protection: over-temperature automatically reduce the output current.
- This module can be applied to the step-down field which input voltage is higher than the output voltage.