

DC-DC POWER CONVERTER 24V-12V @ 5A

P/N: 170363



17V-35V (12V version)

Module nature: non-isolated buck module

Output voltage: 12V

Rectification mode: synchronous rectification

Output current: 5A (continuous work) instantaneous maximum over 7A

The lowest voltage difference: 4V

Load adjustment rate: $\pm 1\%$

Conversion efficiency: up to 95%

Voltage adjustment rate: $\pm 2\%$

Output ripple: 50mV(MAX)

Short circuit protection: sustainable, self - recovery.

Input reverse connection protection: yes, MOS anti-reverse connection circuit

Product weight: about 50g (including about 67g of packing box)

Product size: 59.3mmx30.5mmx21.5mm

(Excluding fixed ears)

Operating temperature: industrial grade (-20°C to $+85^{\circ}\text{C}$)(if the ambient temperature is over 40°C , please reduce power use or strengthen heat dissipation)

Wiring mode: red input positive pole/black common negative pole/yellow output positive pole

Product features:

- Adopt imported integrated switch voltage regulator module, all imported components from famous factories, stable and reliable quality

- Synchronous rectifier technology, the highest conversion rate is more than 95%, and the calorific value is extremely low
 - It has automatic protection functions such as reverse connection and short circuit, and can work normally after the condition is restored.
 - Epoxy resin encapsulation, with seismic, waterproof, moisture-proof, dustproof, flame retardant, long-term use of stable and reliable quality!
- Ultra-thin, small size, high efficiency and convenient installation and use!

Scope of application:

Bus, minibus, large truck, bullet train, solar power generation, bus display screen, taxi advertising screen. Car audio, LCD TV,LED, car navigation, car radio, walkie-talkie and monitoring system.

Precautions:

- Please carry out wiring in strict accordance with the wiring rules, otherwise the power module may be damaged, and the positive and negative polarity of output voltage may be reversed and damage equipment.
- In order to ensure that this module can output sufficient voltage and power, please ensure that the input power supply has sufficient voltage and power.
- If the output terminal has multiple output lines, please average load, please don't combine with load.
- If the output reaches the maximum current value, attention should be paid to the heat dissipation of the power module (it is best to leave a certain amount of current allowance for the module, This will last longer, as much as possible not to use the maximum.