

# DC/DC Boost Converter 12-60V to 12-80V Step-up Voltage Regulator

(090499)

## Parameters:

Input voltage: DC 12V-60V

Input current: 15A (please enhance heat dissipation when it is higher than 10A)

Frequency: 150KHz

Output power: 600W (Max)

Output current: 10A (Max)

Output voltage: DC 12V-80V

Working temperature: -40 to +80 Celsius

Conversion efficiency: up to 95% (input voltage and current; output voltage and current will affect conversion efficiency)

Output ripple: <50mV

Dimension: 85x63x60mm

## Application Example:

1. Input 12V/8.73A and output 20V/5.0A, then efficiency is about 86%
2. Input 54V/13.5A and output 58V/12A, then use 5Ω/11Kw resistance as load test, efficiency is 95%

## Notes:

1. The board doesn't have input reversed connection protection
2. It is with 15A fuse for short circuit protection.

