

## **100W 12A DC-DC Buck Voltage Converter 4.5-30V to 0.8-30V Step-down Power Module**

### **Features:**

- Two large aluminum heat sinks ensures a better heat dissipation and more stable performance.
- Five 470uf/35V high frequency low resistance capacitors in parallel special for switch-mode power supply lower output ripple.
- 23mm large magnet and 1.0 copper wire provides high efficiency work.
- LED indicator light on board make work state more intuitive.  
TVS diode can prevent voltage spike from chip breakdown and ensures module safety.
- Two 50V/MLCC patch capacitors and high frequency low impedance electrochemical capacitors lower output ripple.
- Widely used for storage battery, power transformers, DIY adjustable regulated power supply, industrial equipment, 12V to 3.3V, 12V to 5V, 24V to 5V, 24V to 12V, etc.

### **Specifications:**

Type: Non-isolated step-down module (BUCK)

Input Voltage: 4.5V to 30V

Output Voltage: 0.8V to 30V (continuously adjustable, default 5V)

Output Current: 0A to 12A

Power: 100W

Operating Temperature: -40°C to +85°C

Frequency: 300KHz

Max. Conversion Efficiency: 95% (Efficiency is related to input/output voltage, current and voltage difference)

Short Circuit Protection: Yes (14A current limit, please try not to short circuit)

Over Temperature Protection: Yes (automatically shut off output)

Reverse Input Protection: No

Wiring Method: Terminals

Size: 60 x 51 x 22mm / 2.36 x 2 x 0.86"