DESCRIPTION

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Features: 1. High-power output with dual-mode options of 1500W and 1200W to meet diverse requirements 2. Synchronous rectification technology for high efficiency and energy savings, significantly reducing energy loss 3. Constant voltage adjustable design for precise output voltage regulation to accommodate various device needs 4. Integrated module structure for easy installation, space-saving design, and enhanced system stability 5. Wide application range, converting high voltage to low voltage for stable power supply to devices Parameter: Module Type: Non-isolated buck module (BUCK) Input Voltage: DC 15-90V Output Voltage: 2.5-72V Maximum Peak Output Power: 1200W/1500W Continuous Rated Power: 1000W/1200W Maximum Output Current: 30A/50A Rated Output Current: 28A/45A Typical Efficiency: 95% (90%-97%) Operating Frequency: 70kHz Input reverse polarity protection: None (reverse connection strictly prohibited) Output constant voltage indicator light: Yes Cooling method: Temperature-controlled fan cooling Operating temperature: 0-85□C Application scenarios: Converts high voltage to low voltage for stable power supply to equipment Notes: 1. This power supply is a step-down power supply and can only step down voltage, not step up voltage 2. Do not reverse the input positive and negative terminals 3. This power supply is a constant voltage power supply with an unadjustable output current; it is not recommended for battery constant current charging or LED constant current driving. 4. When connecting the output to a motor, please series-connect a Schottky diode with a current rating of 50A or higher and a voltage rating of 100V on the output positive terminal to prevent reverse current flow. Do not operate at maximum power or maximum current for extended periods; ensure at least 20% margin during prolonged operation. Package include: 1 x 1500W 1200W Synchronous Rectification Buck Converter DC-DC 15V-90V to 2.5-72V Constant Voltage Adjustable Step Down Power Module

PICTURES

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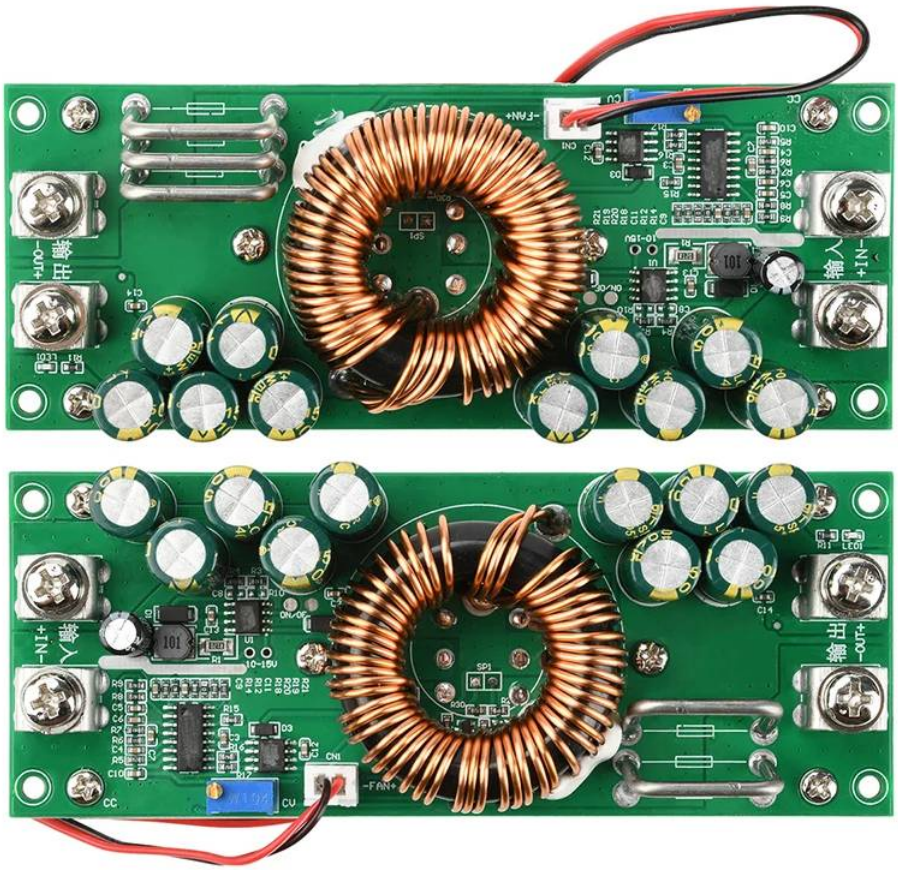
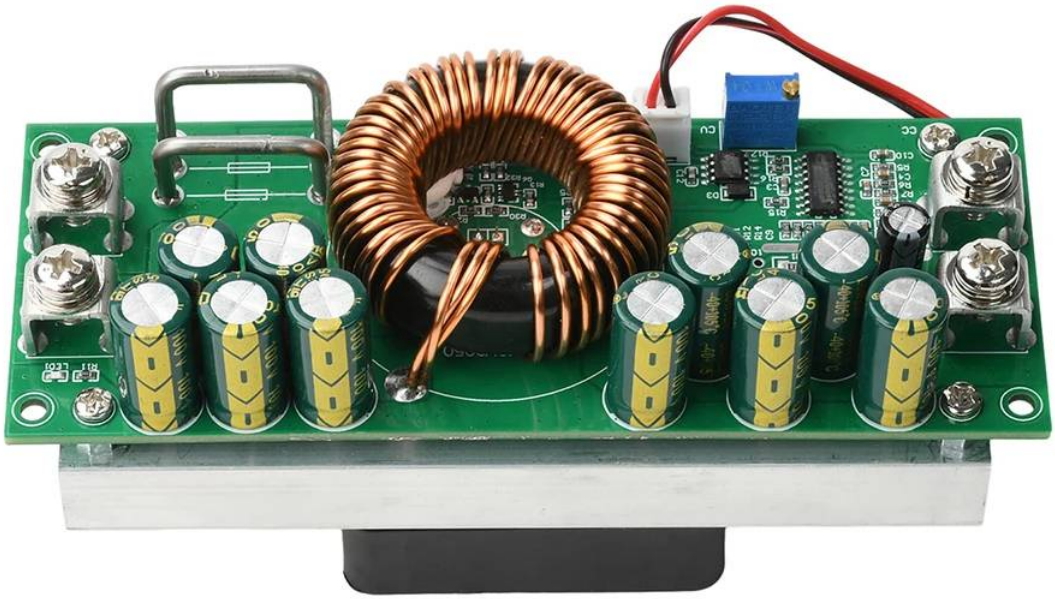
High power output

1500W and 1200W dual-mode options to meet diverse needs



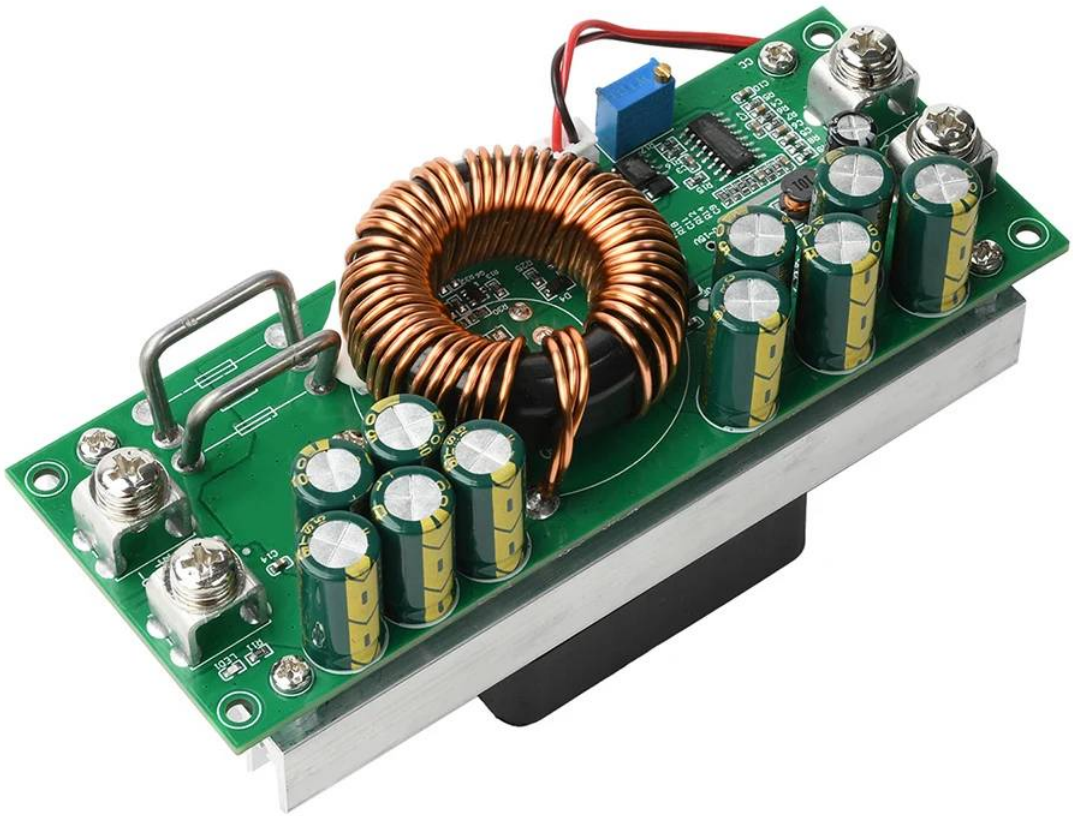
High-power step-down module

Synchronous rectification technology, high efficiency and energy saving, significantly reducing energy loss



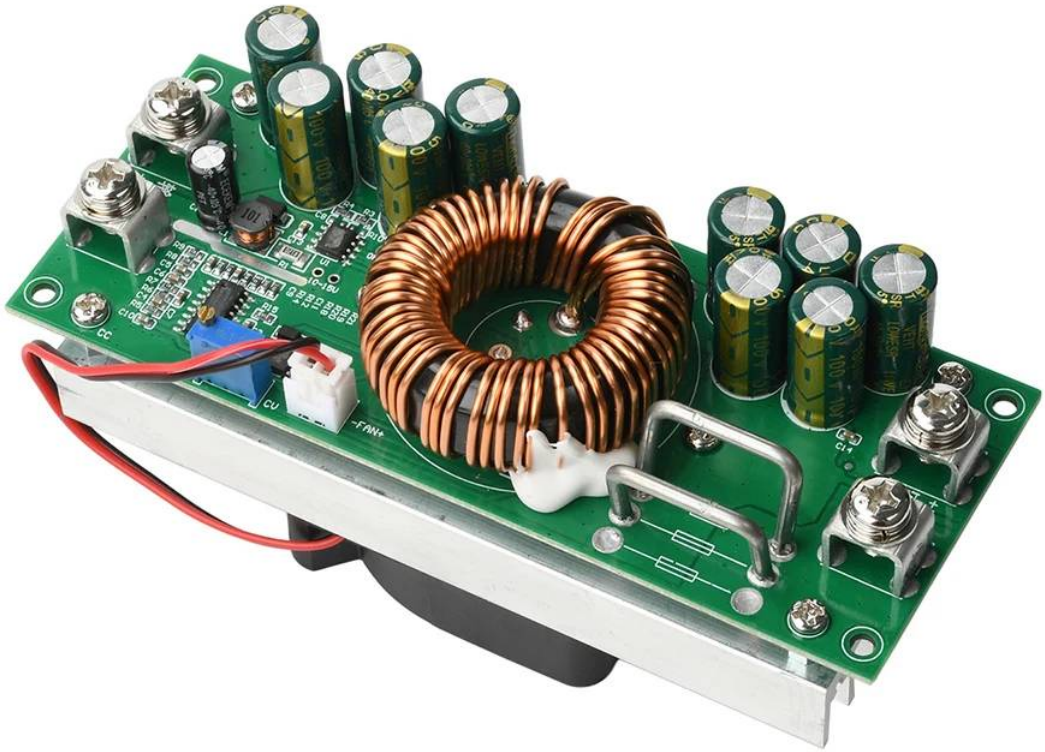
Adjustable constant voltage design

Precisely adjusts output voltage to suit a variety of device needs



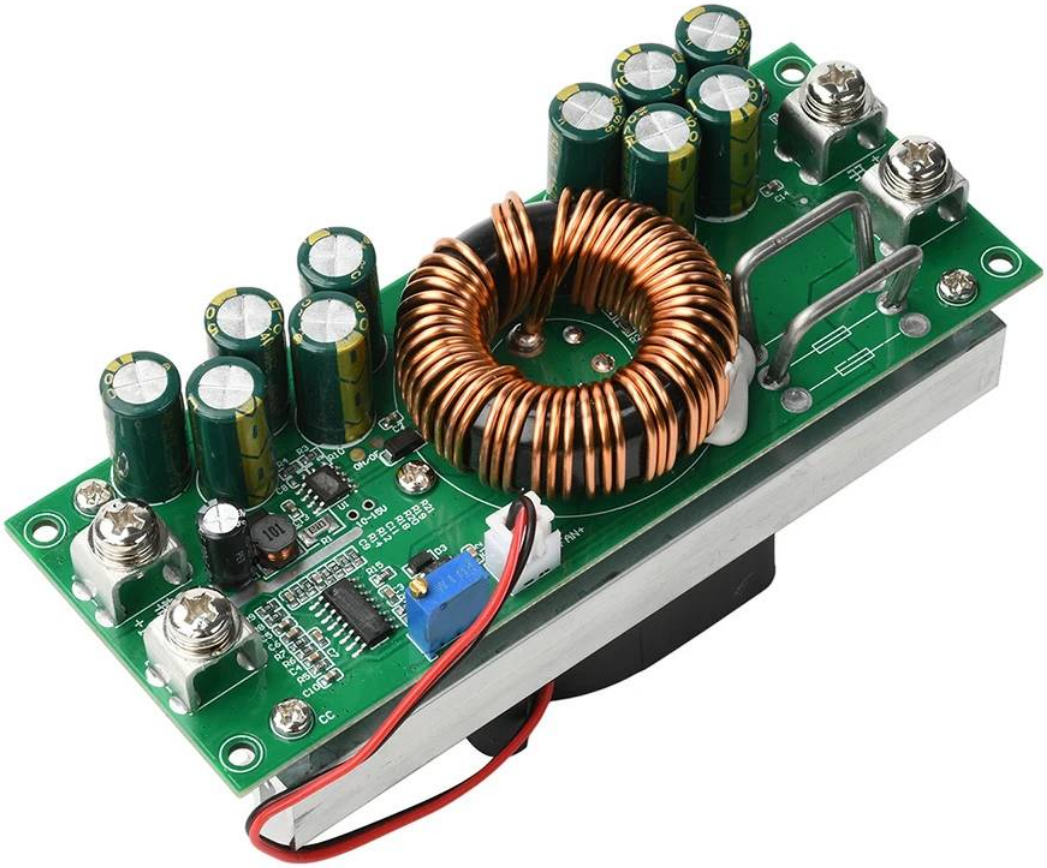
Integrated modular structure

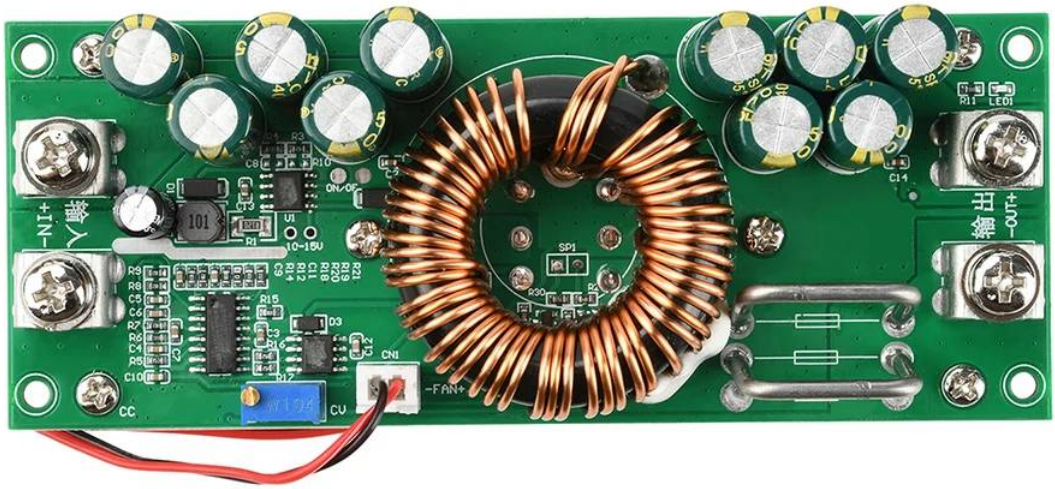
Easy installation, space-saving, and improved system stability



Adjustable power modules

A wide range of applications, converting high voltage into low voltage to provide stable power to devices.

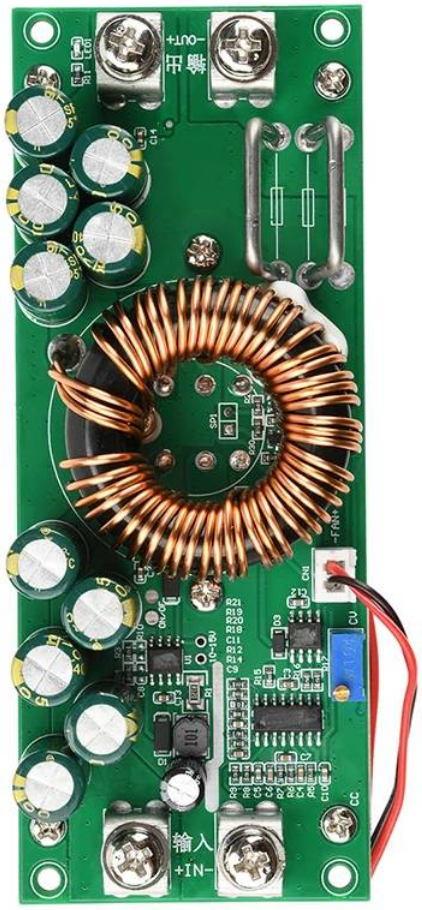




On-Board Labels	
IN+	Input voltage positive
IN-	Input voltage negative
OUT+	Output voltage positive
OUT-	Output voltage negative
CV	Output voltage adjustment potentiometer
FAN+	12V fan connector
ON/OF	Output voltage switch (short-circuit disables output)
10-15V	Short-circuit allows 10-15V input (input voltage cannot exceed 15V after short-circuit)

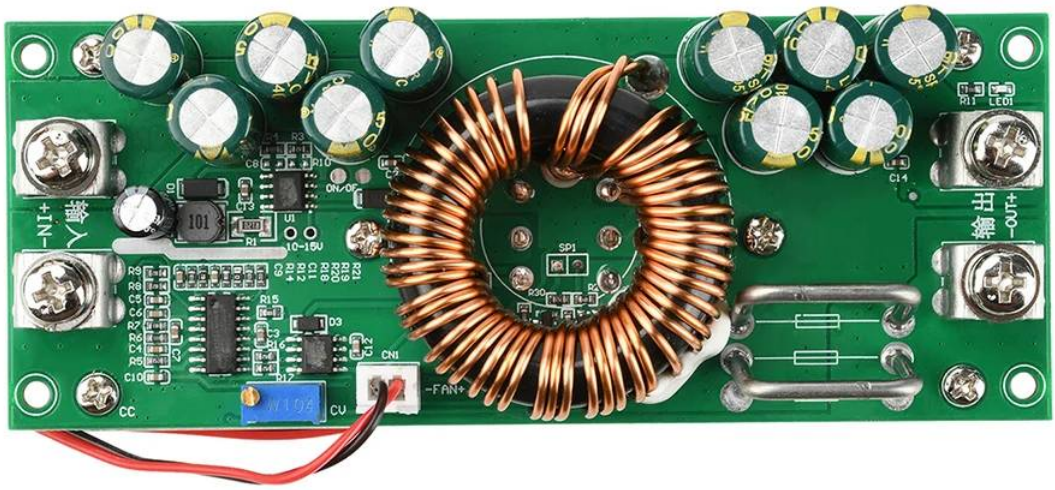
Product Parameters

Module Type: Non-isolated Buck Module
Input Voltage: DC15-90V
Output Voltage: 2.5-72V
Maximum Peak Output Power: 1200W/1500W
Continuous Power Rating: 1000W/1200W
Continuous Current Rating: 45A
Maximum Output Current: 30A/50A
Rated Output Current: 28A/45A
Typical Efficiency: 95% (90%-97%)
Operating Frequency: 70kHz
Reverse Input Protection: No (Reverse Connection Strictly Prohibited)
Output Constant Voltage Indicator: Yes
Cooling Method: Temperature-Controlled Fan
Operating Temperature: 0-85°C
Application Scenario: Converting high voltage to low voltage for regulated power supply to devices

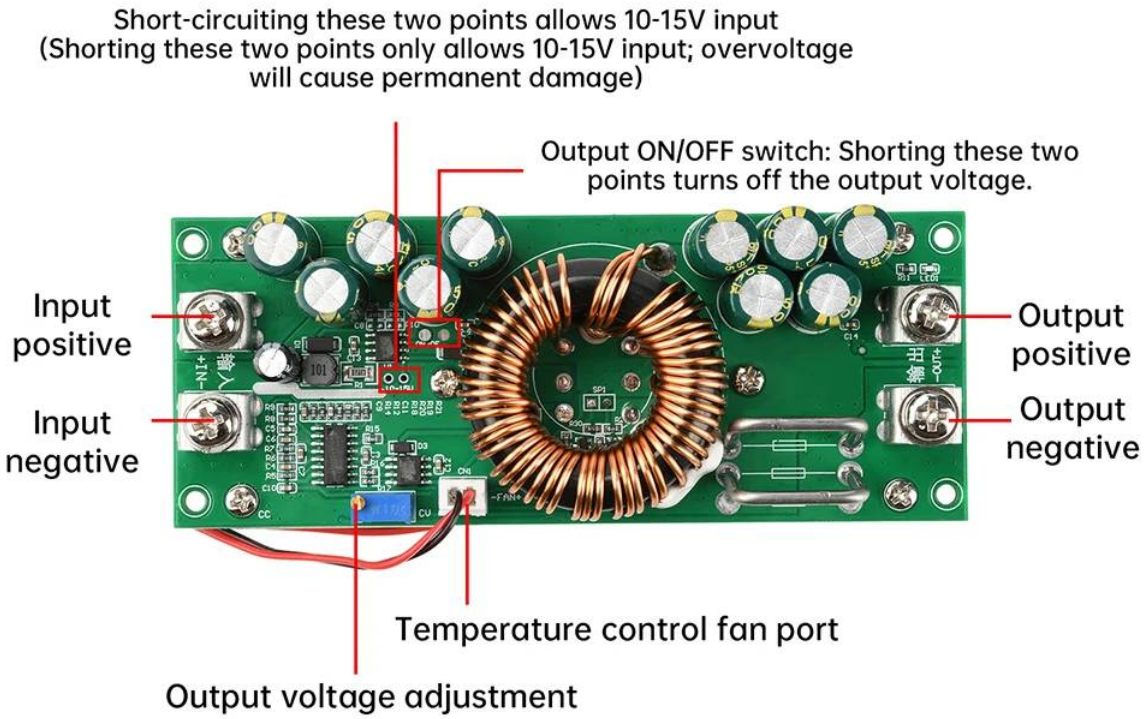


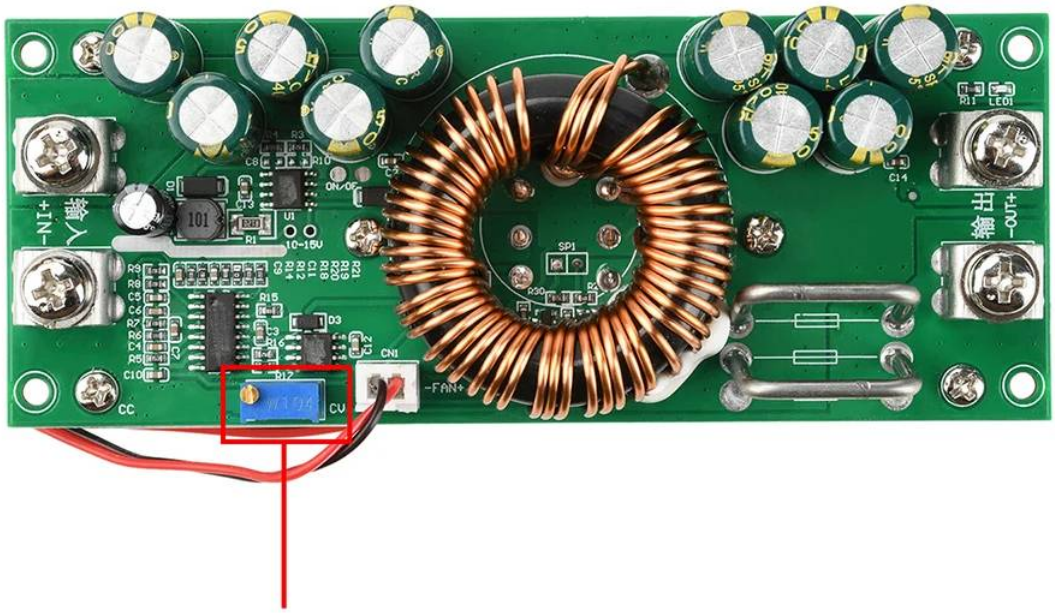
Precautions

1. This power supply is a step-down power supply and can only step down, not step up.
2. Do not connect the positive and negative input terminals in reverse.
3. This power supply is a constant voltage power supply with an unadjustable output current. It is not recommended for constant current battery charging or constant current LED driving.
4. When connecting the output to a motor, connect a Schottky diode with a current rating of 100V or higher in series with the positive output to prevent backflow. Do not operate at maximum power or current for extended periods. Allow at least 20% margin for extended operation. The power supply has maximum power and current limits. Do not exceed these limits during operation.



Wiring and Function

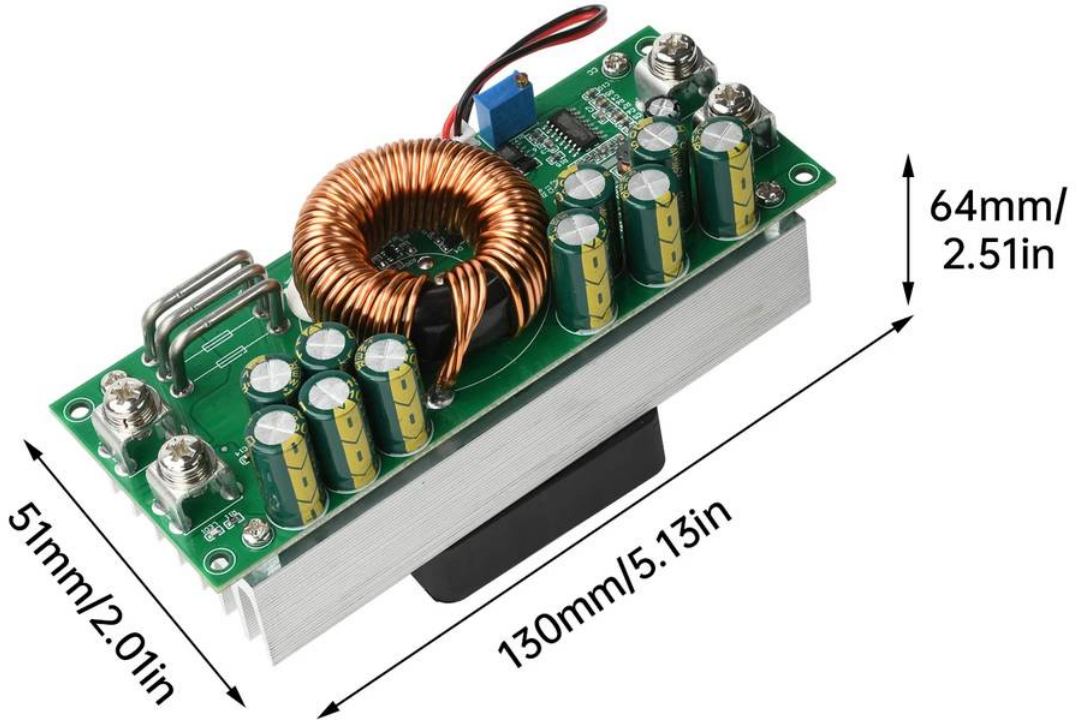




Voltage Regulation

Voltage Regulation:

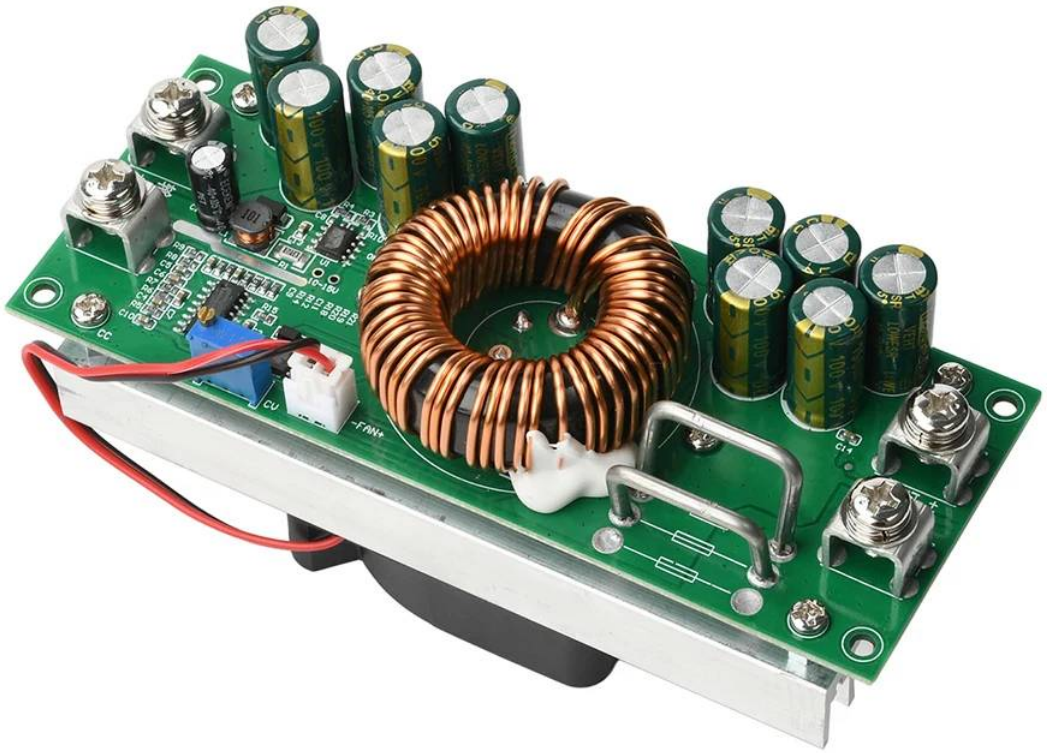
Clockwise turns the voltage up, counterclockwise turns the voltage down.

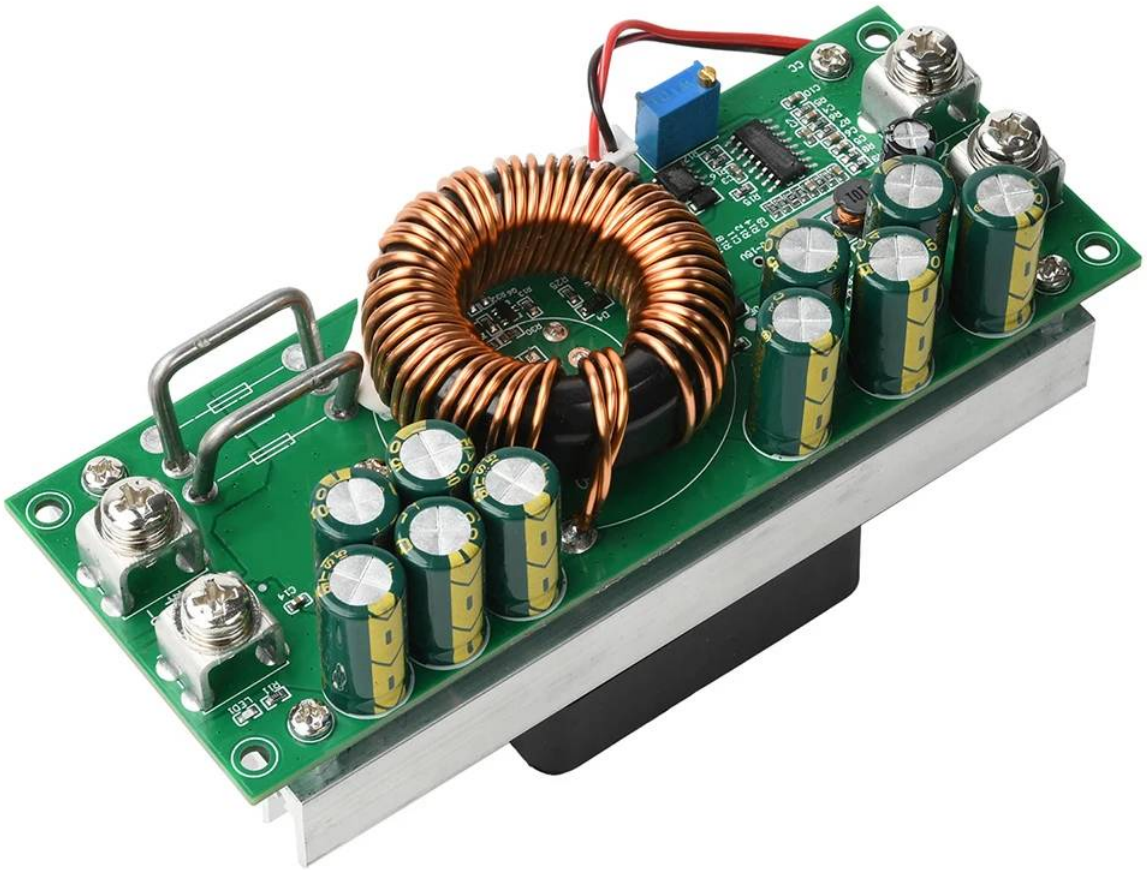

64mm/
2.51in
51mm/2.01in
130mm/5.13in

1200W

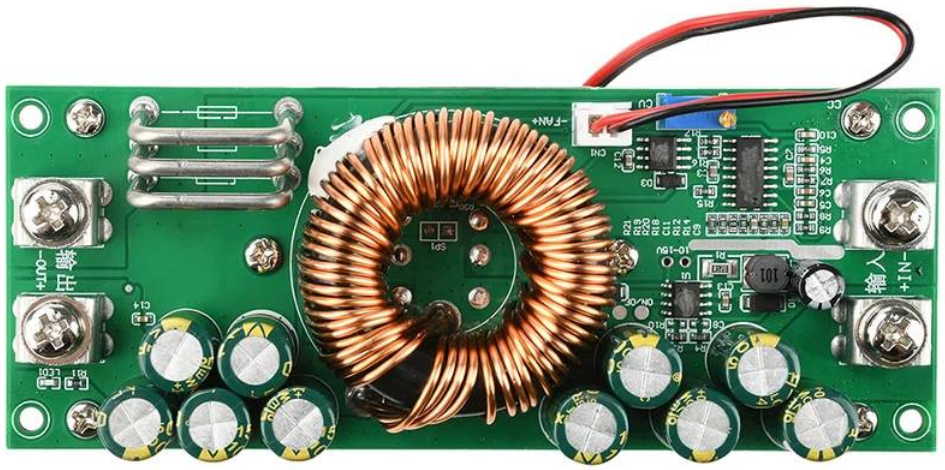




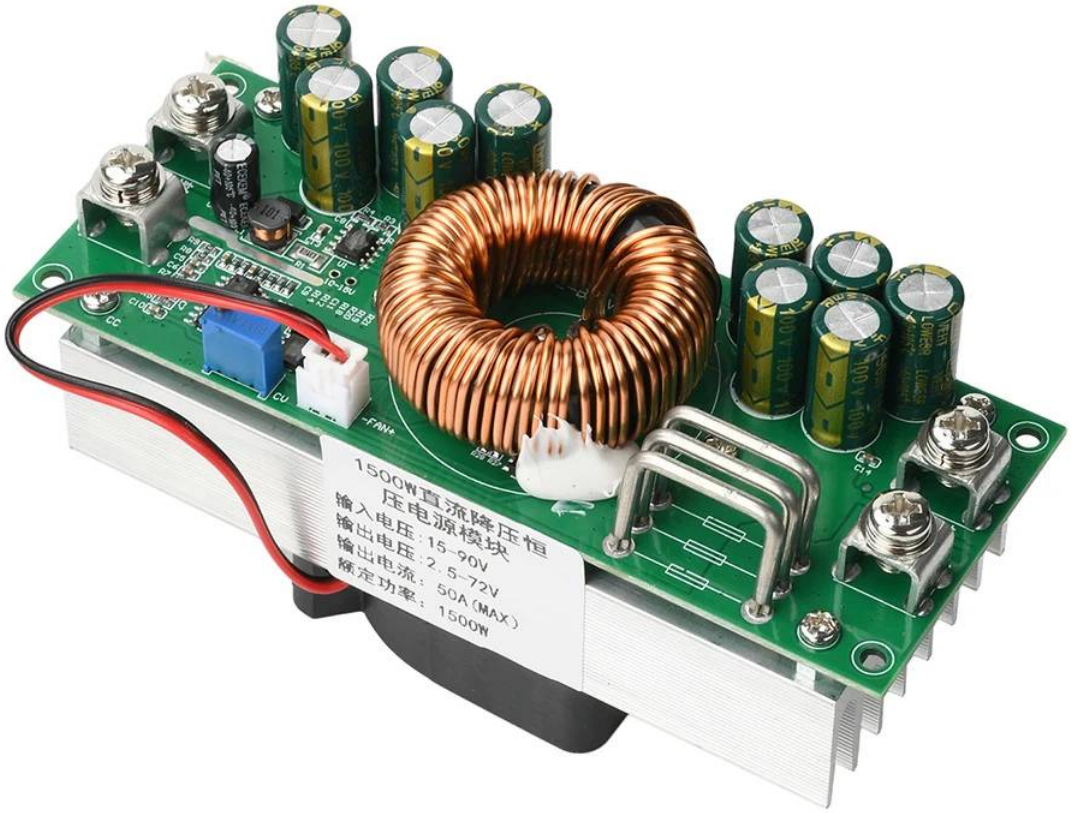

CC
CV
FAN+



1500W






1500W直流降压恒
压电源模块
输入电压：15-90V
输出电压：2.5-72V
输出电流：50A(MAX)
额定功率：1500W


1500W直流降压恒
压电源模块
输入电压：15-90V
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