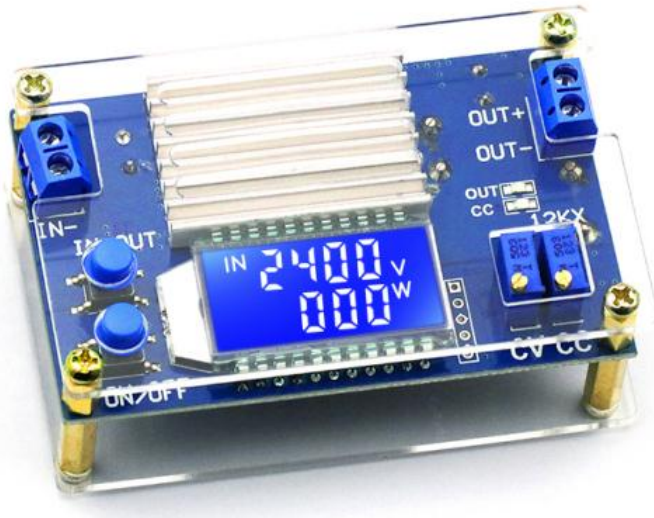




## Data Specs

## 12A LCD Display Adjustable Power Supply Control Board

This is a compact 12A DC adjustable Constant Voltage (CV) and Constant Current (CC) step down power supply module with LCD display. LCD displays input voltage, output voltage, current and power status. Stable output voltage and current adjustment. Set output current to meet the load requirement. It can be used as ordinary adjustable power supply, charger and LED constant current driver.



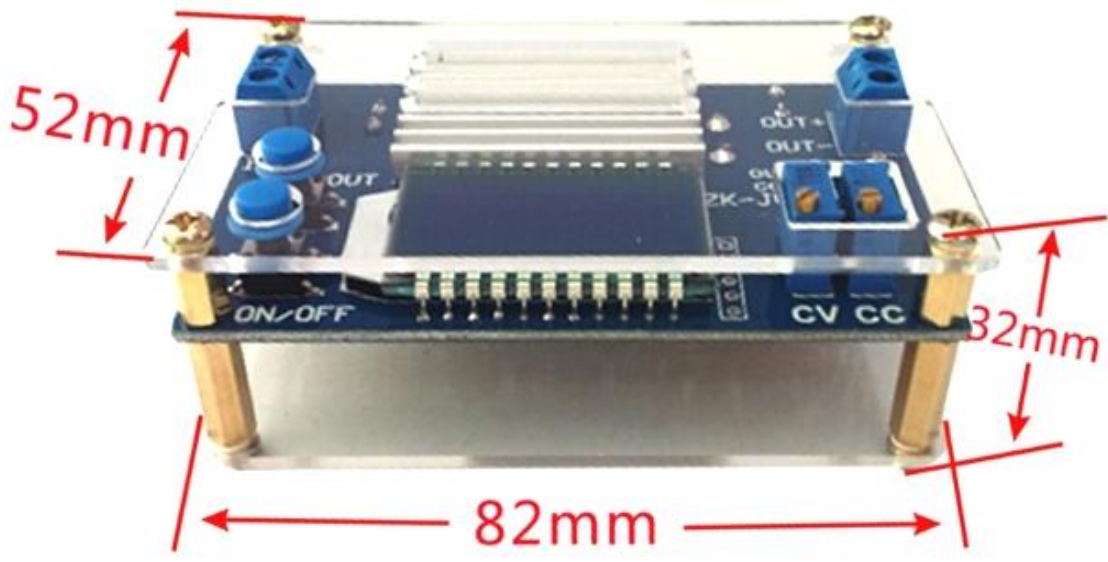
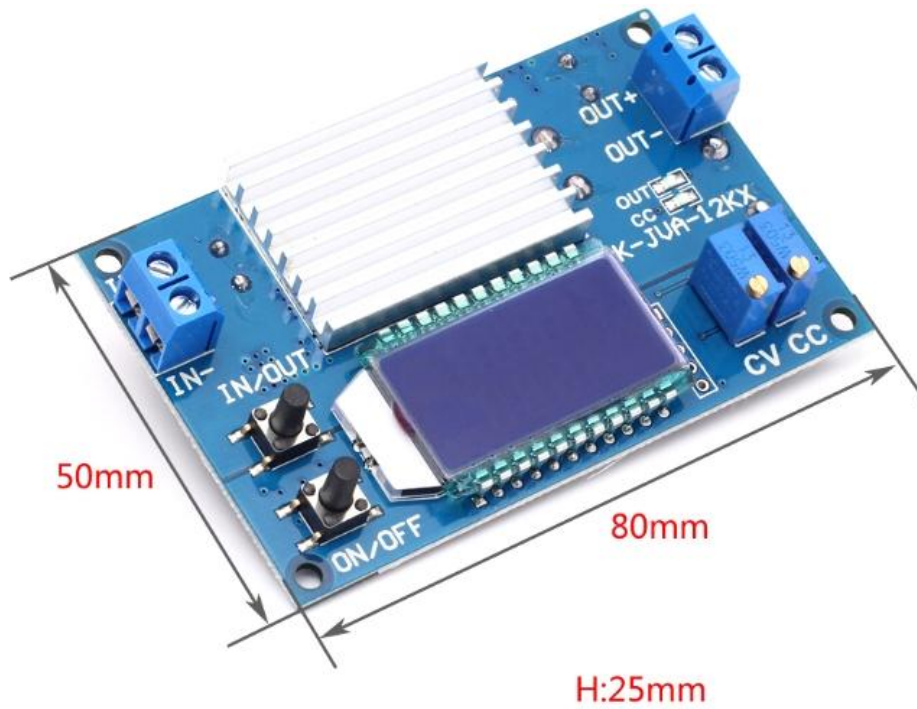
SKU: [PSU1027](#)

### Brief Data:

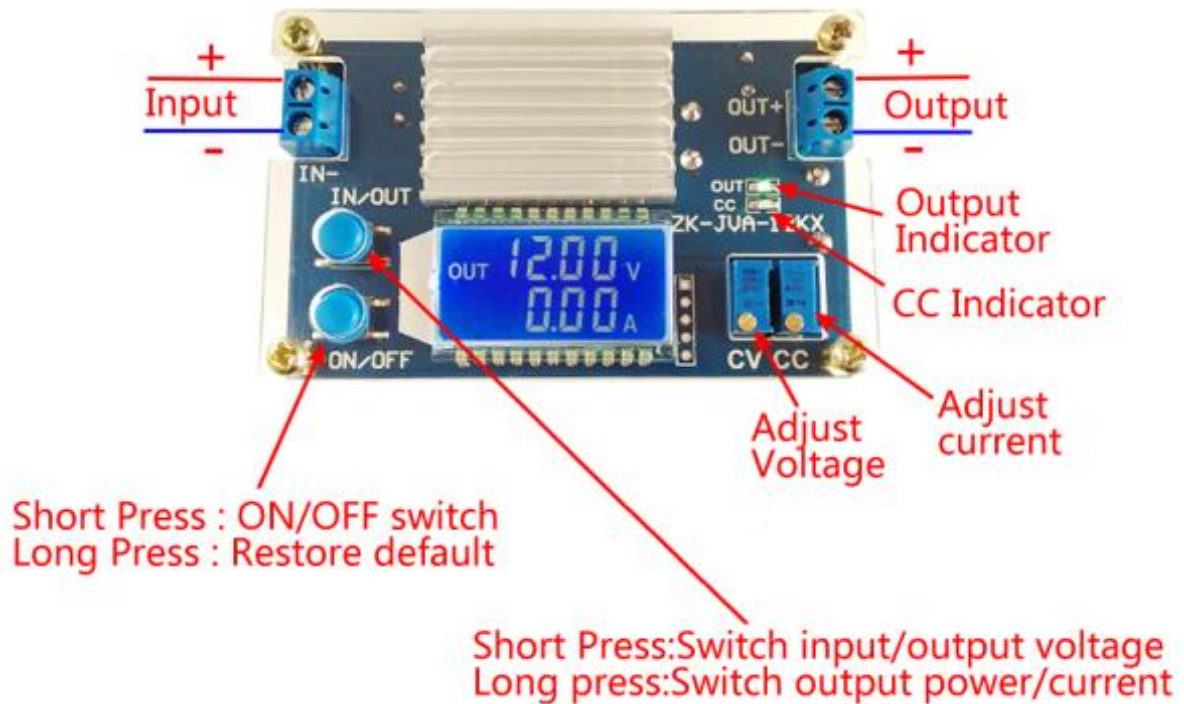
- Input Voltage: 5.3 ~ 32Vdc.
- Output Voltage: 1.2 ~ 30Vdc.
- Output Current:
  - 8A – Continuous.
  - 12A – with Fan for heat dissipation.
- Voltage Adjustment Resolution: 0.05V.
- Current Adjustment Resolution: 0.01A.
- Output Control Mode: Constant Voltage (CV) and Constant Current (CC).
- Output Display Mode: Voltage (V), Current (A) and Power (W).
- Input Reverse Protection: Yes.
- Output Soft Start: Yes.
- Conversion Efficiency: 95%.
- Operating Current: 25mA.
- Size: 82x52x32 mm.
- Weight: 80g.

**Mechanical Dimension:**

Unit: mm

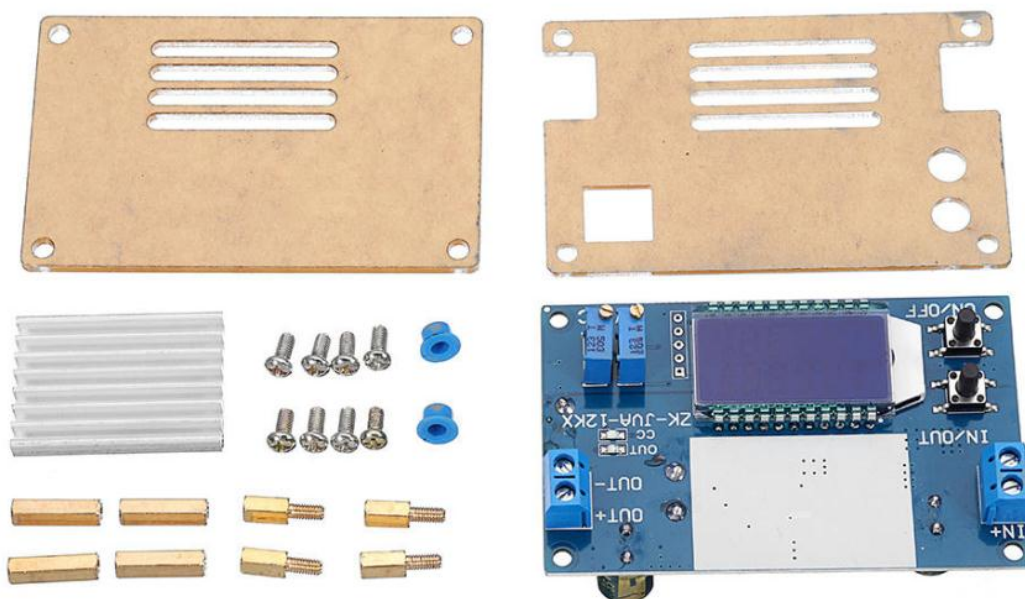


## Functional Block Diagram:



## Package Include:

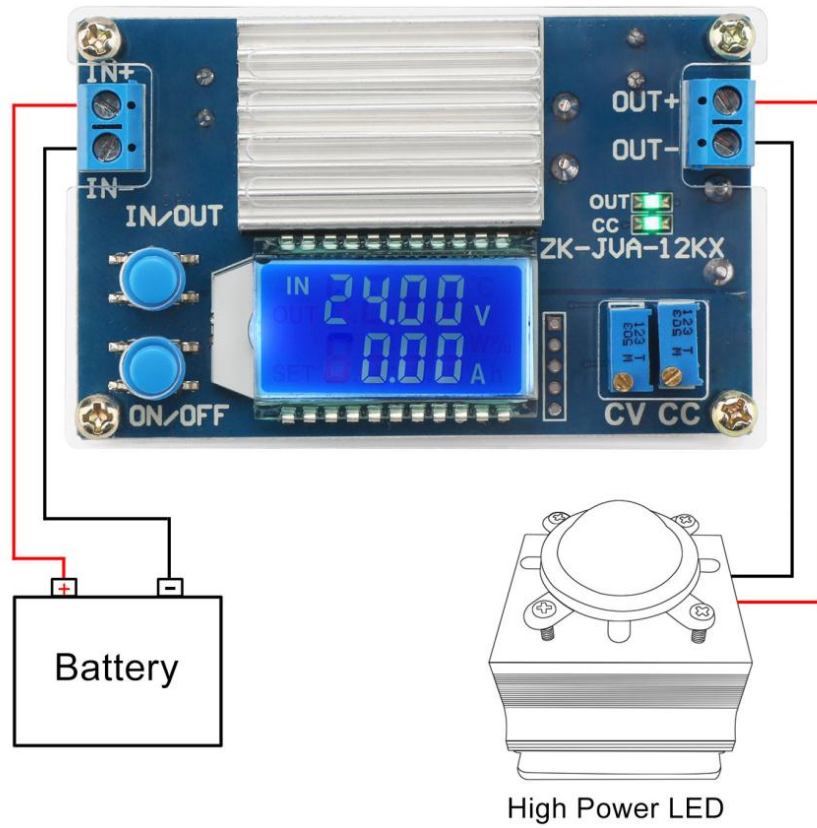
- 1x 12A Step Down Power Supply Module.
- 1x Heat Sink.
- 1x Acrylic shell.
- 2x Blue button cap.
- 4x M3x15mm brass Stand-off.
- 4x M3x8+6mm brass Stand-off.
- 8x M3x5mm Screw.





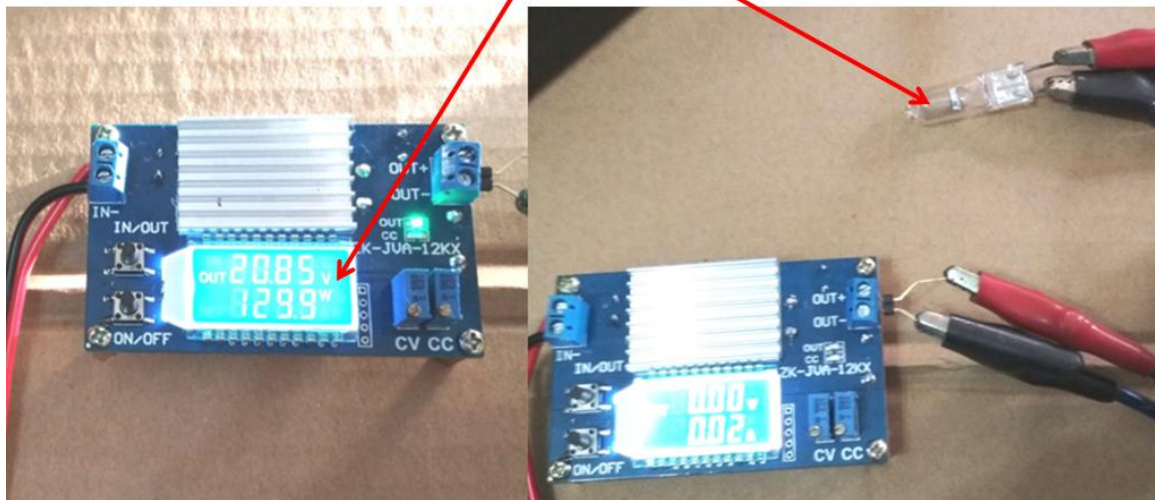
## Application Examples:

### Powering High Power LED:



### Powering Halogen Lamp:

Powering  
Halogen Lamp  
at 130W.





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