



DC Adjustable Boost Converter Module

Parameters:

Input Voltage: DC 6-30V

Output Voltage: DC 7-32V adjustable

- NOTE: This module can only be used to boost voltage, and the output voltage must be at least 1.5V higher than the input voltage.
- Output Current: 5A(max), adjustable, recommended to use within 4A.
- NOTE: If the output current or power is more than 3A or 35W, you'd better enhance the heat dissipation.

Output Power: 60W (max), recommended to use within 50W.

- NOTE: Please reduce the power when the difference between input and output voltage is large.

Operating Temperature: -20~+70°C

- NOTE: Pay attention to the temperature of the power tube when using this module, please strengthen heat dissipation if it exceeds 70°C.

Conversion efficiency: Up to 96%

Installation: Nylon post *8, 3mm screw *8

Wiring: Terminals or solder terminals; VIN means input; VOUT means output.

Dimension: L69.5mm(2.74in), W43.5mm(1.71in), H26.5mm(1.04in).

Protections:

Short circuit protection: Yes (currently constant current value)

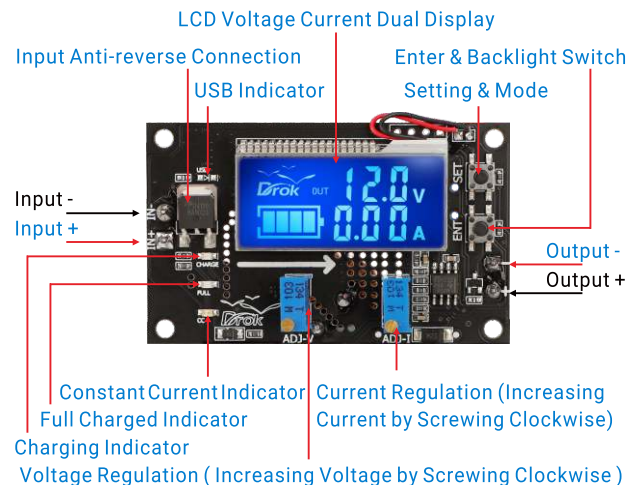
Over temperature protection: Yes (automatically turn off the output if over-temperature)

Tips: There is an additional fan opening on the bottom of the module shell, which can be used to add a fan.

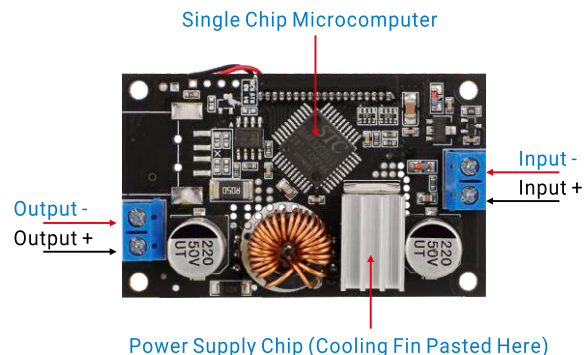
Input reverse polarity protection: Yes

Output anti-backflow: Yes

Front View of the Module:



Back View of the Module:



Voltage Calibration:

If you find that the measuring values are not accurate, please do as follow:

- In the condition of power off, hold press the “SET” button and power on to enter the voltage calibration mode, at this time the LCD screen starts to flash.
- Then release the “SET” button, press the “SET” button to increase voltage value while press the “ENT” button to reduce, till the input voltage value is correct. e.g. If input voltage is 12.65V, adjust the voltage value to 12.65V.
- It will automatically be saved after 2 seconds, then power off the module to finish calibrating.

Display Description & Setting:

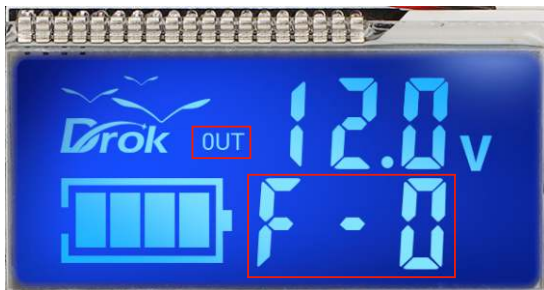
“SET” button for 3 display modes:

- F-0 mode: Display output voltage
- F-1 mode: Display input voltage
- F-2 mode: Alternately display input and output voltage

Instructions:

Press the “SET” button, the 3 display modes would be displayed cyclically, and the corresponding indicator would be on or off, press the “ENT” button to save and exit. Turn on/off the LCD backlight by singly pressing the “ENT” button.

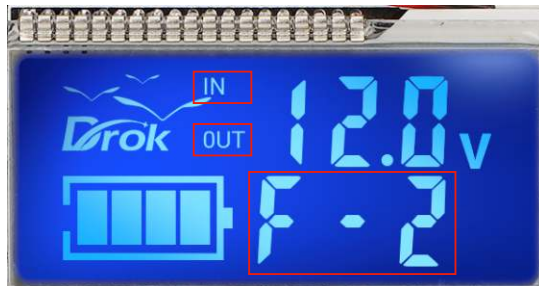
F-0 means showing output voltage



F-1 means showing input voltage



F-2 means showing input and output voltage alternately



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