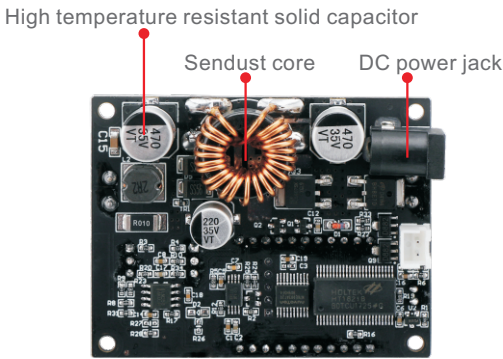
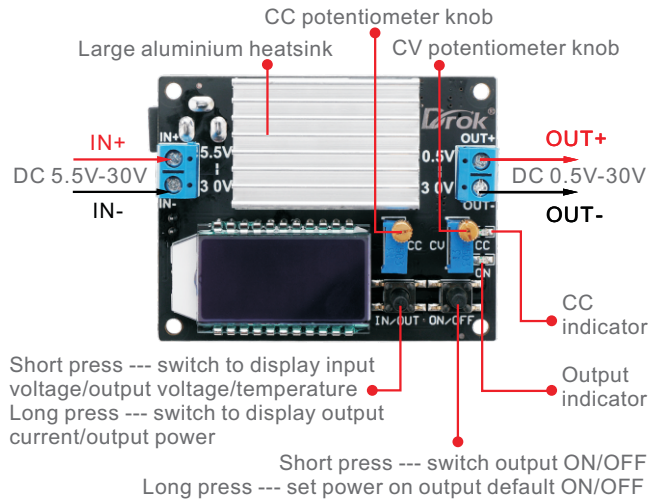




DROK Adjustable Buck Boost Converter

<https://www.droking.com>

Module Description:



Parameters:

Input voltage: DC 5.5-30V (If input voltage lower than 5V, it can achieve buck/boost, but the measured voltage and current value will be inaccurate. When input voltage lower than 4.7V, it will trigger under-voltage protection).

Output voltage: DC 0.5-30V

Output current: 4A for long-term working

Output power: 35W

Voltage display resolution: 0.01V

Voltage accuracy: 1%

Current display resolution: 0.001A

Current accuracy: 1%

Conversion efficiency: about 88%

Soft start: YES (may be invalid when starting with high-power load)

Working frequency: 180kHz

Size: 72\*59\*32mm

Protections:

Input reverse connection protection: Yes.

Output anti-backflow protection: Yes. No need to add a anti-backflow diode when charging for battery.

Short-circuit: Yes. Can directly connect to the short circuit on the output.

Over-temperature protection: Yes. (100℃)

Over-power protection: Yes (60W)

Over-current protection: Yes (6A)

Under-voltage protection: YES (4.7V)

Buttons:

IN/OUT button:

Short press: switch to display input voltage/output voltage/module temperature.

Long press: switch to display output current/output power.

ON/OFF button:

Short press: control output ON/OFF.

Long press: set output default ON/OFF when powered on.

Potentiometers:

CC potentiometer: current setting potentiometer.

Rotate clockwise can increase set current value.

When the load current reaches the set current value, it will enter constant current status, and the red CC indicator light will be on.

CV potentiometer: voltage setting potentiometer.

Rotate clockwise can increase output voltage value. When there is voltage outputs, the green ON indicator will be on.

Indicator Lights:

CC indicator: constant current indicator. Red. On when the module is at CC status.

On indicator: output status indicator. Green. On when there is voltage outputs.

Note:

- Do not make a short circuit on module input IN- and output OUT-, otherwise the CC function will be invalid.
- Make sure the power of the power supply is always higher than the required power of the output load.
- If you want to output full load, the input voltage should be higher than 8V.
- When the input voltage is 5V, the output power is about 15W, and the voltmeter and ammeter will be invalid.
- Although the max current is 4A, it is determined the output power. For example, if output 17V, the current won't be higher than 2A.
- The module is with output short-circuit protection. After triggering protection, the module will automatically turn off the output. It can be turned on by powering on. If there is no output current limiting protection, it is recommended to add a fuse in series before the module input to enhance safety.
- The module is with input under-voltage protection. The default value is 4.7V. When input voltage is under 4.7V, the module will automatically turn off the output. It can be turned on by powering on. (This refers to the voltage of the module terminal. When input current is large, do not ignore the partial voltage of the input wire.)
- Please remove the protective film on the LCD screen and the case before installing.

Display Interface:

Normal interface:

Input Voltage Output Current	Input Voltage Output Power	Module Temperature Output Current
Output Voltage Output Current	Output Voltage Output Power	
Protection Interface:		
Over-current Protection	Over-temperature Protection	Over-power Protection

Recommend product on Amazon:



Any questions please contact us through Amazon:



DROK 12A 160W Buck Converter