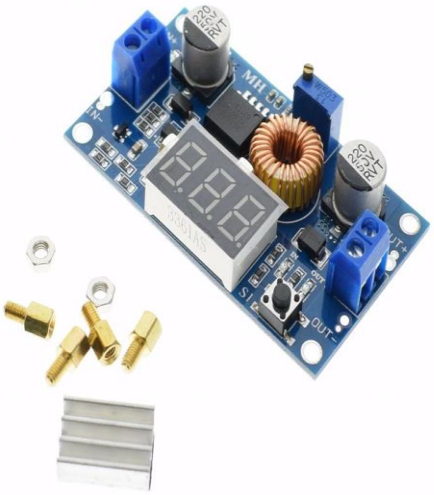
5A 75W XL4015 DC-DC Converter Adjustable Step-Down Module with Display

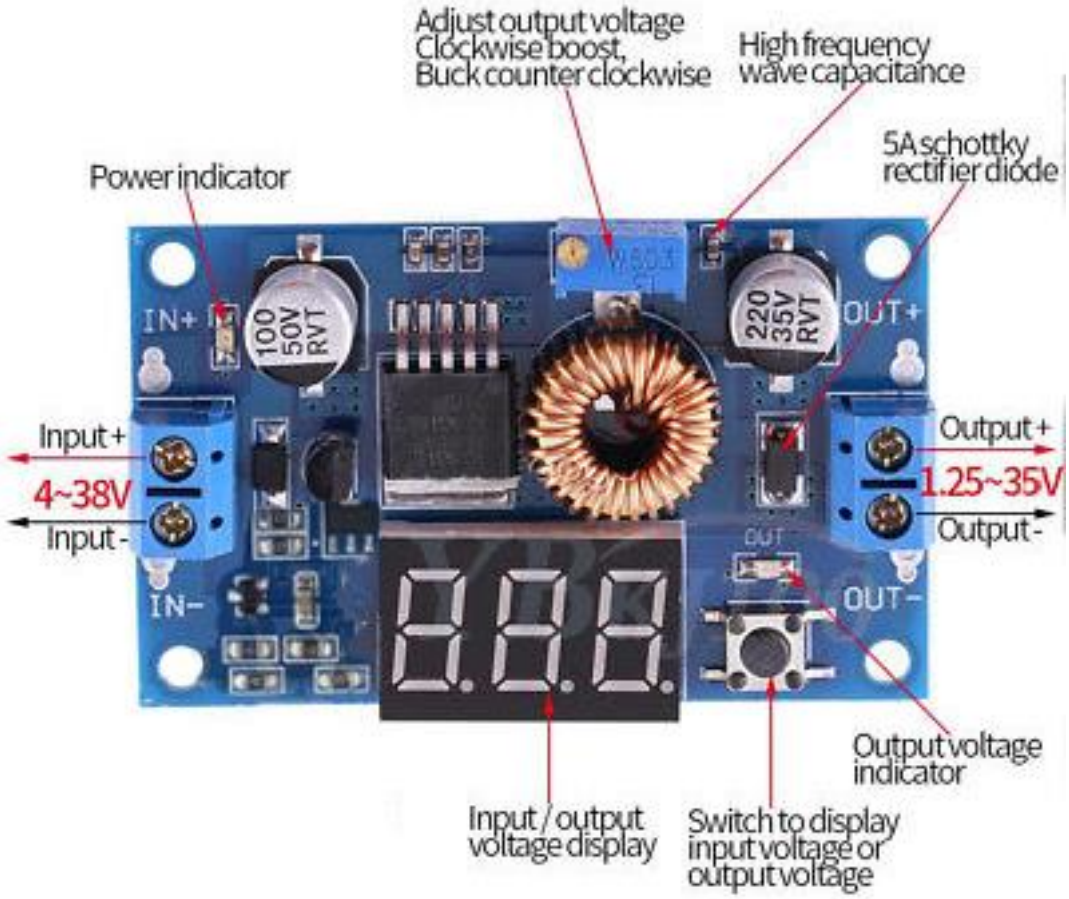
Module Highlights:

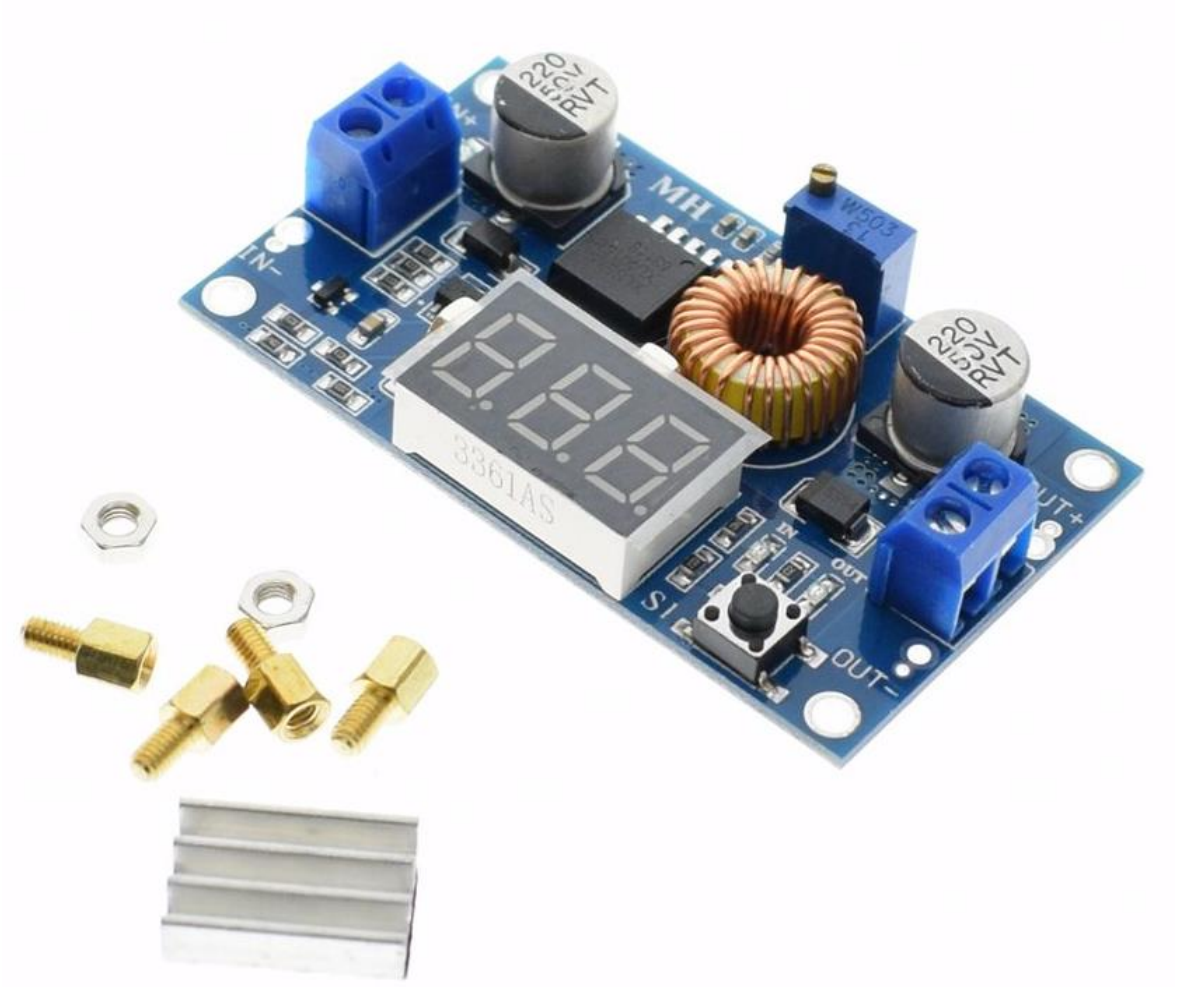


1- 5A power high-efficiency buck low ripple!
2- with power indicator light!
3- onboard voltage meter, voltmeter can be self-calibration, it will never exist voltmeter problem of inaccurate! !
4- with heat sink!
5- Get pillars free!

Module performance and features:

- With power indicator light
- With voltmeter shows and voltmeter can be self-calibration. It uses a more advanced microprocessor voltage voltmeter error ± 0.05V, Range 0 ~ 40V. (Note: To ensure the accuracy of voltmeter, please ensure that the input voltage is above 4.5V)
touch of a button to switch measuring input or output voltage, and has a light show which is being measured voltages, and save the settings, even if powered off and then on.
voltmeter can be closed when not needed touch of the button on the left side can be easily achieved.
With terminals, no iron can also be easy to use, and retention wire connection points.
Input voltage 4.0 ~ 38V. (Input voltage must be higher than the output voltage 1.5v more)
adjustable output voltage range of 1.25V ~ 35V continuously adjustable. (Input voltage must be higher than the output voltage of 1.5V)
output current up to 5A, is recommended in 4.5A.
output power up to 75W.
high conversion efficiency, up to 96% (efficiency and input and output voltage, current, pressure related)
Load Regulation S (I) ≤0.8%, voltage regulation S (u) ≤0.8%
with thermal protection and short circuit protection
Size 60 * 37 * 18mm
Weight 28g


Adjust output voltage
Clockwise boost,
Buck counter clockwise
High frequency
wave capacitance
5A schottky
rectifier diode
Power indicator
IN+
100
50V
RVT
220
35V
RVT
OUT+
Input+
4~38V
Input-
Output+
1.25~35V
Output-
IN-
OUT
OUT-
Output voltage
indicator
Input / output
voltage display
Switch to display
input voltage or
output voltage


MH
W503
IN+
IN-
OUT+
OUT-
OUT
S1
8361AS

输入电压	输入电流	输出电压	输出电流	输出功率	效率
36V	0.6A	5V	4A	20W	92.6%
36V	1.4A	12V	4A	48W	95.2%
36V	1.6A	18V	3A	54W	93.7%
36V	2.1A	24V	3A	72W	95.2%
24V	0.6A	3.3V	4A	13.2W	91.0%
24V	1.0A	5V	4.5A	22.5W	93.0%
24V	1.9A	9V	4.5A	40.5W	89.0%
24V	2.4A	12V	4.5A	54W	93.7%
24V	3.1A	18V	4A	72W	96.0%
12V	1.2A	3.3V	4A	13.2W	91.6%
12V	2.1A	5V	4.5A	22.5W	89.0%
12V	3.1A	7.4V	4.5A	33.3W	89.5%
12V	3.6A	9V	4.5A	40.5W	93.7%
5V	3.1A	3.3V	4A	13.2W	85.2%

Onboard voltage meter self-calibration method:
1. On-board voltage table shows the output voltage, long press on the right button for two seconds after the release, voltmeter and output voltage indicator "OUT" synchronous flashing, this time into the output voltage regulation mode; Similarly, the voltmeter shows When the input voltage, long press on the right button for two seconds after the release, voltmeter and input voltage LEDs "IN" synchronous flashing, this time into the input voltage adjustment mode;

2. Touch the right side of the button, the voltage rises one unit, touch the left button, a voltage reduction units; because the voltage value of a unit less than 0.1V, so you need to press 1-5 times in a row to see the voltmeter change of 0.1V, specific continuous button several times depending on the voltage value currently displayed, the higher the voltage the current display, the fewer the number of press;

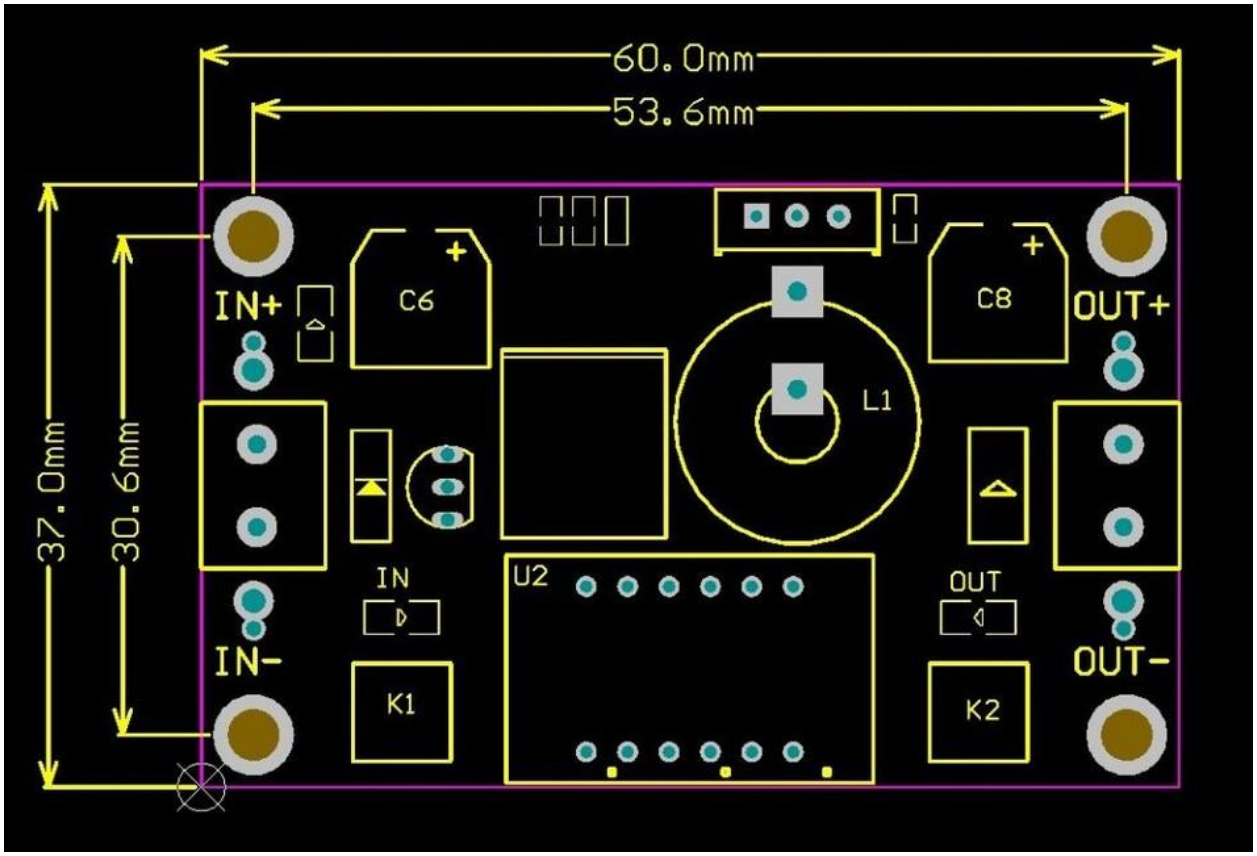
3. When the voltage is adjusted, press the right side button for two seconds after the release, this time to exit voltage calibration mode, all parameters set to automatically power-down save.

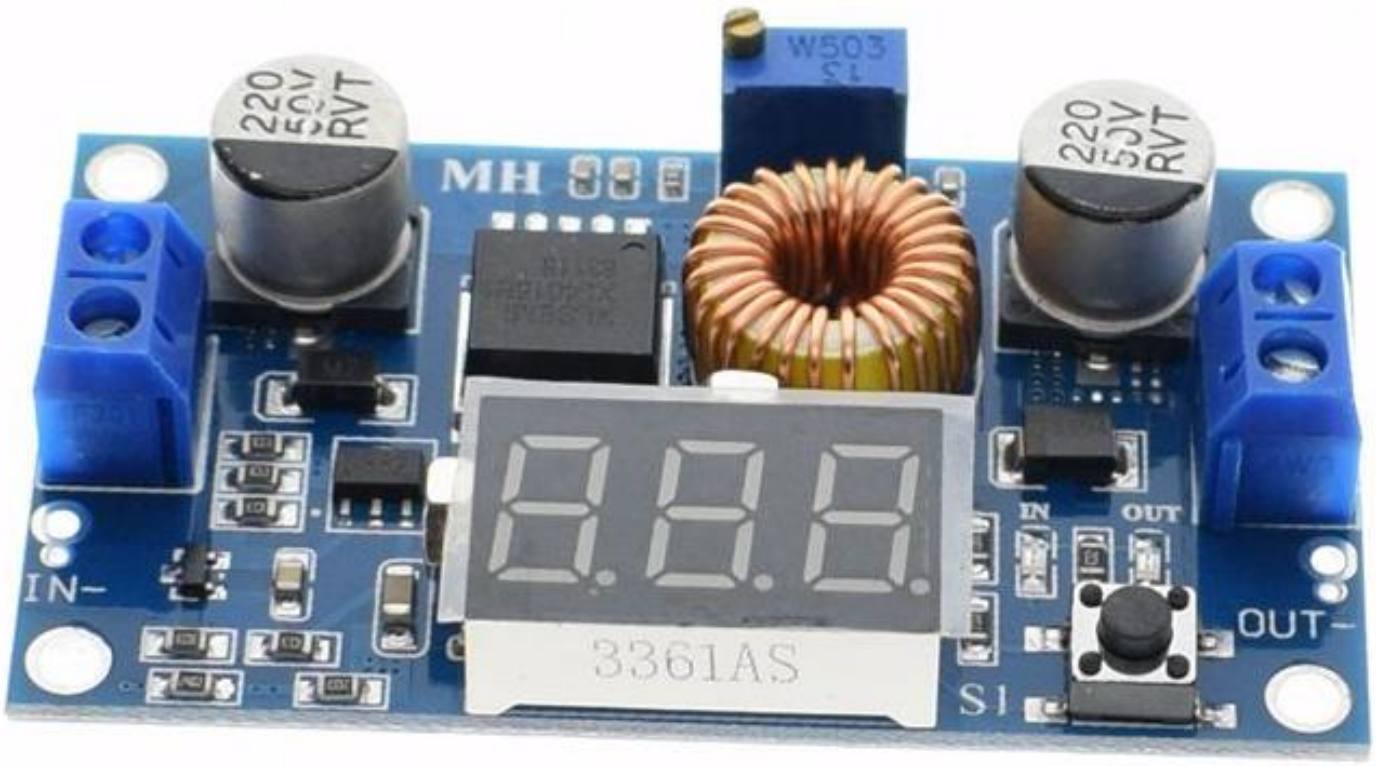
NOTE: This way you only need to adjust the alignment precision can be obtained once the voltage value across the entire voltage range, this function is more accurate to meet your requirements and design, ease of use.

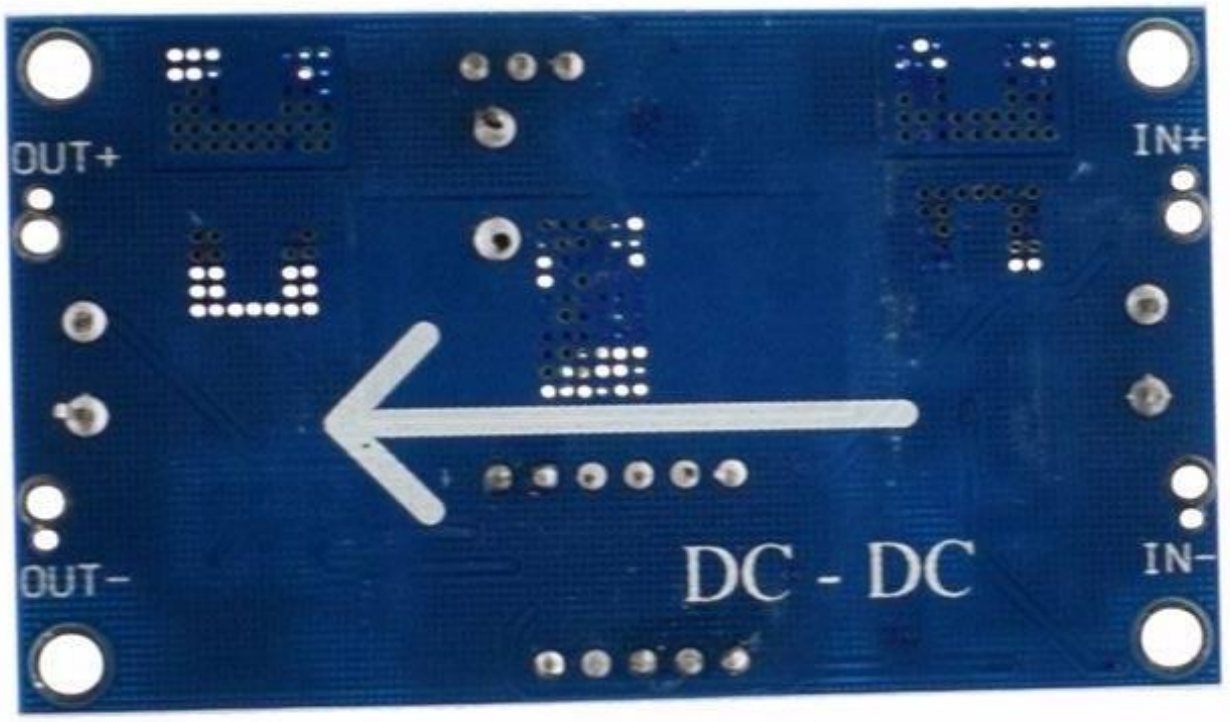
Applications:

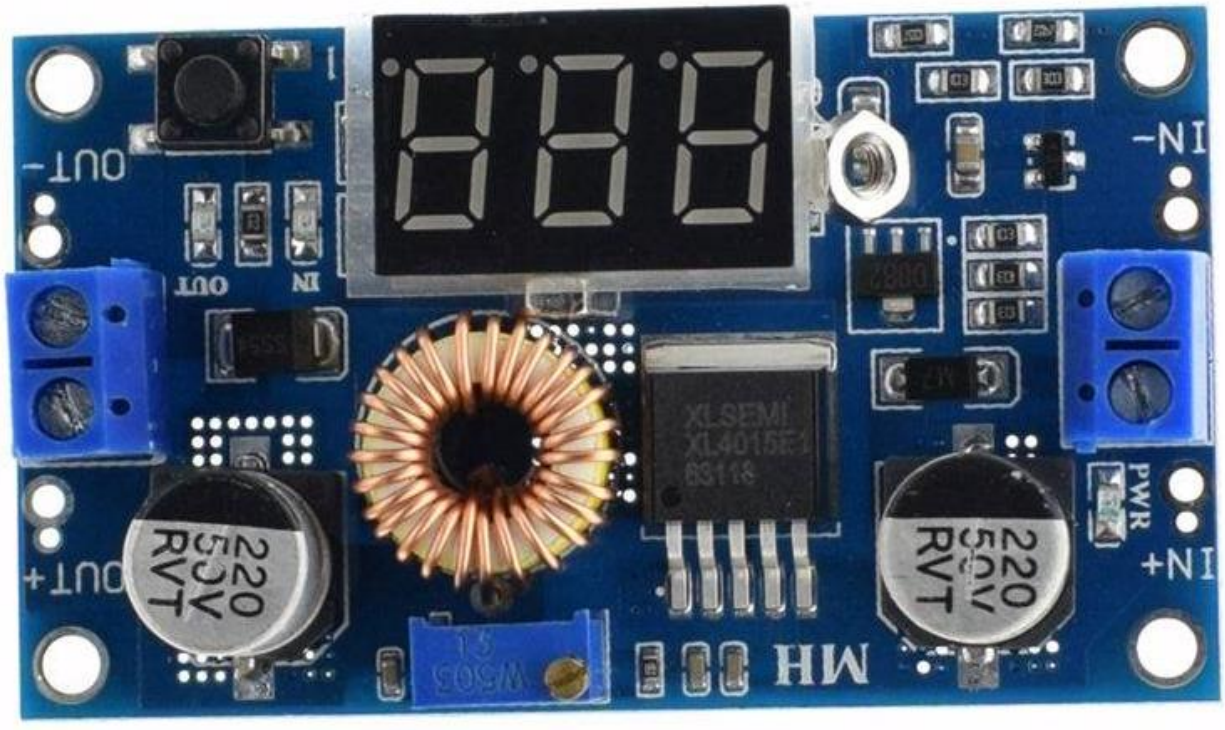
This module can be used down the field in input voltage is above the output voltage, such as batteries, power transformers, DIY adjustable power supply, 24V car T of the power equipment industry down, 12V turn 3.3V, 12V turn 5V, 24V turn 5V, 24V switch 12V, 36V switch 24V like.

Please note that buyers:
A customer can not be adjusted to reflect the module output voltage is always equal to the input voltage. When you encounter this problem, please counterclockwise rotary potentiometer 10 laps, then use the module can adjust the voltage of the normal. Because the step-down module factory, the default output voltage of about 20V.




W503
220
50V
RVT
MH
IN
OUT
IN-
OUT-
3361AS
S1


OUT+
IN+
OUT-
DC - DC
IN-


OUT-
-NI
OUT
IN
XLSEMI
XL4015E1
220
50V
RVT
PWR
OUT+
+NI
HW


220
25V
RVT
W503
OUT
220
25V
RVT