

UCTRONICS

Digital Panel Variable Bench Power Supply Module

(DC 6-55V to 0-50V 5A)

U5168



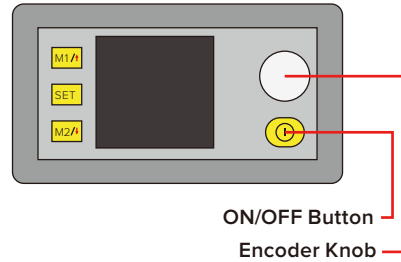
SPECIFICATIONS

- Input Voltage: DC 6V-55V
- Output Voltage: 0V-50V
- Output Current: 0-5A
- Output Power: 0-250W
- Output Voltage resolution: 0.01V
- Output Current resolution: 0.001A
- Output Voltage accuracy: +/- (0.5%+1digits)
- Output Current accuracy: +/- (0.5%+2digits)
- Weight: 113g
- Size: 79 x 43 x 48mm
- Cutting Size: 71 x 39mm

Note:

1. Make sure that input voltage is 1.1 times higher than output voltage.
2. Please be strict to wiring accordance with connection description, otherwise there is a danger of burning.

FUNCTION DESCRIPTION



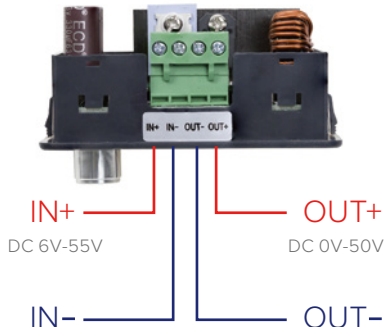
ON/OFF Button
Encoder Knob

Button	Function
ON/OFF	Short press the ON/OFF button to turn on/off the output power.
Encoder Knob	Long press the knob more than 2s to lock/unlock. In the parameter setting mode, short press the knob to select and switch the parameter page, the background of the selected one will be blue. Rotate clockwise to increase and counter-clockwise to decrease the value.
SET	Short press to enter the parameter setting mode; switch between the main page and parameter page, exit the parameter setting mode. Long press more than 2s to store value to the data group.
M1/↑	In the parameter page, short press to select the previous parameter. In the main page, long press more than 2s to extract M1 data group in main page.

INTRODUCTION

UCTRONICS U5168 is a DC programmable control power supply module that outputs constant voltage (DC 0V-50V) with an input voltage DC 6V-55V.

WIRING



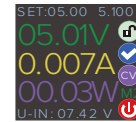
Button	Function
M2/↓	In the parameter page, short press to select the next parameter. In the main page, long press more than 2s to extract M2 data group in main page.
Note: The updated data will be stored if there is no operation within 1 minute in main page.	

PARAMETER SETTINGS

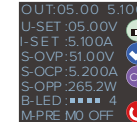
In the main page, short press "SET" button to enter the parameter setting mode, then short press the encoder knob to select and switch the parameter, the background of the selected parameter will be blue. Rotate the knob to change the selected parameter value, clockwise rotation is increasing, counterclockwise rotation is decreasing.

Short press "SET" button twice to enter the parameter page. Short press the button M1/↑ and M2/↓ to switch the parameters. Short press the encoder knob to select the parameters, the background of the selected parameter will be blue. Rotate the knob to change the selected parameter value.

Short press "SET" button to exit the parameter setting mode.



Main page



Parameter page

	Explanation
SET: 05.00 5.100	The limit of output voltage and current
05.01V	The output voltage
0.007A	The output current
00.03W	The output power
U-IN: 07.42V	The input voltage
🔒	Lock/unlock all the button function
✓	Output normal/abnormal
CV	Output constant/inconstant voltage mode
M2	Data group
🔌	Output ON/OFF
OUT: 05.00 5.100	The output voltage and current
U-SET: 05.00V	The limit of output voltage. Adjustable range: 0-50V
I-SET: 5.100A	The limit of output current. Adjustable range: 0-5A

Item	Explanation
S-OVP: 51.00V	Overvoltage protection value Default value: 51V When the voltage reaches the value, the module will shut down the output.
S-OCPP: 5.200A	Overcurrent protection value Default value: 5.2A When the current reaches the value, the module shuts down the output.
S-OPP: 265.2W	Overpower protection value Default value: 265.2W When the power reaches the value, the module will shut down the output.
B-LED: ■■■■ 4	Adjust the brightness of the screen background
M-PRE: M0 OFF	Preset dataset group ON/OFF to store to the data group

CONTACT US

If any problem, feel free to contact us.
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