



## Digital Panel Variable Bench Power Supply Module

(DC 6-36V to 0.6-36V 5A)

**U6229**



### INTRODUCTION

UCTRONICS U6229 is an 80W DC buck-boost converter and stabilized power supply module that outputs constant voltage (DC 0.6V-36V) with an input voltage DC 6.0V-36V.

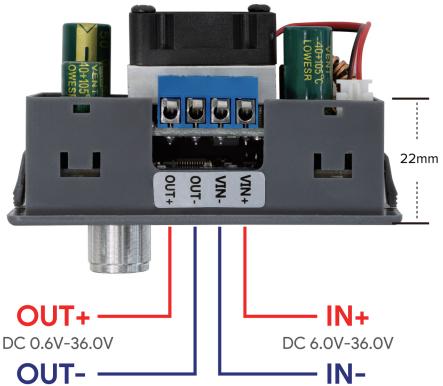
#### Encoder Knob:

1. Rotate the knob to switch the parameter pages in default mode;
2. Short press the knob to select the parameter page, then short press the knob to switch the parameter, the background of the selected parameter will be blue;
3. Rotate clockwise to increase and counterclockwise to decrease the value. Rapid rotation supported;
4. Long press the knob for 2 seconds or no operation for 6 seconds, the module will exit the parameter setting mode;

#### ON/OFF Button:

1. Short press the ON/OFF button to turn on/off the output power;
2. Long press the button for 2 seconds to rotate the display.

### WIRING



### SPECIFICATIONS

- Input Voltage: DC 6.0V-36.0V  
- Input Current: 0-7A  
- Output Voltage: DC 0.6V-36.0V  
- Output Current: 0-5.0A  
- Output Power: 80W  
- Current Accuracy:  $\pm(0.4\%+3 \text{ digits})$ , increment of 0.001A  
- Voltage Accuracy:  $\pm(0.3\%+1 \text{ digit})$ , increment of 0.01V  
- Intelligent Temperature-Controlled Fan: Temperature trigger: 50°C  
- Safety Protection: Anti-reverse protection, overvoltage protection (OVP), overcurrent protection (OCP), over-power protection (OPP), low-voltage protection (LVP), over-temperature protection (OTP), anti-backflow at output terminal (connect the rechargeable battery directly), self-protection of power chip (OEP).

### PARAMETER SETTINGS

Rotate the knob to switch the parameter pages, short press the knob to select parameter page, then short press the knob to switch the parameters, the background of the selected parameter will be blue. Rotate the knob to change the parameter value, clockwise rotation is increase, counterclockwise rotation is decrease. Long press the knob for 2 seconds to exit the setting mode.

#### Parameter Pages

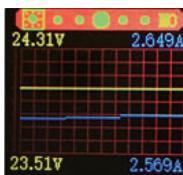
1. The power main interface:



2. Power recording page:



3. Voltage and current graph:



4. System parameters:



5. Power Parameters:



Item	Default Value	Explanation
Maximum electric quantity (OWH)	000.00WH	If setting the value, the module will shuts down the output and display the flicker of "OPH" when the electric quantity of discharge reaches the value;
Maximum discharging time (OHP)	000:00h	If setting the value, the module will shuts down the output and display the flicker of "OHP" when the duration of discharge reaches the value.

## CONTACT US

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If any problem, feel free to contact us.

Website: [www.uctronics.com](http://www.uctronics.com)

Email: [support@uctronics.com](mailto:support@uctronics.com)

Default value and explanation of each parameter item as is shown below:

Item	Default Value	Explanation
Data array (M-PRE)	MO	Press the knob for 2 seconds to call other data arrays
Voltage range (U-SET)	24V	Adjustable range: 0.6-36V
Current range (I-SET)	5.1A	Adjustable range: 0-5.1A
Overtoltage protection (OVP)	37V	When the voltage reaches the value, the module shuts down the output.
Overcurrent protection (OCP)	5.2A	When the current reaches the value, the module shuts down the output.
Over-power protection (OPP)	81W	When the power reaches the value, the module shuts down the output.
Low-voltage protection (LVP)	4.8V	When the voltage falls down to the value, the module shuts down the output.
Maximum electric capacity (OAH)	00.000AH	If setting the value, the module will shuts down the output and display the flicker of "OAH" when the electric capacity of discharge reaches the value;