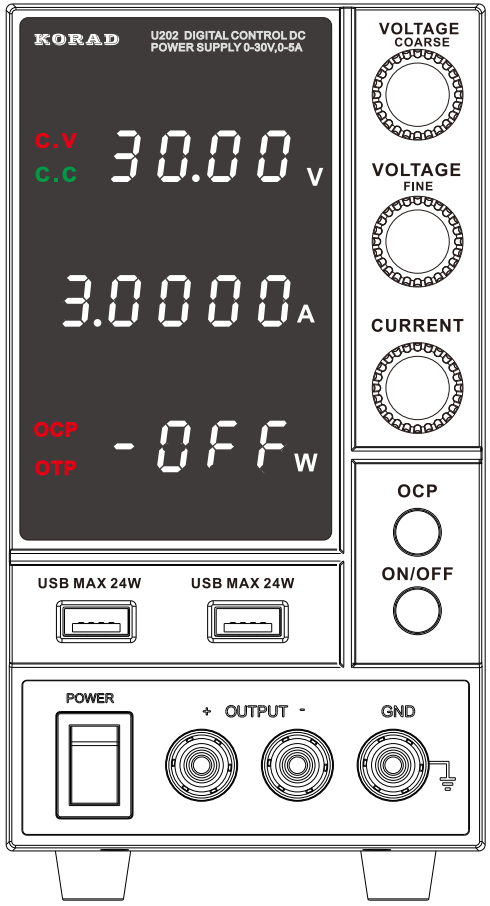
U200 Series Digital Control & Regulated DC Power Supply



User Manual

DONGGUAN KORAD TECHNOLOGY CO., LTD.

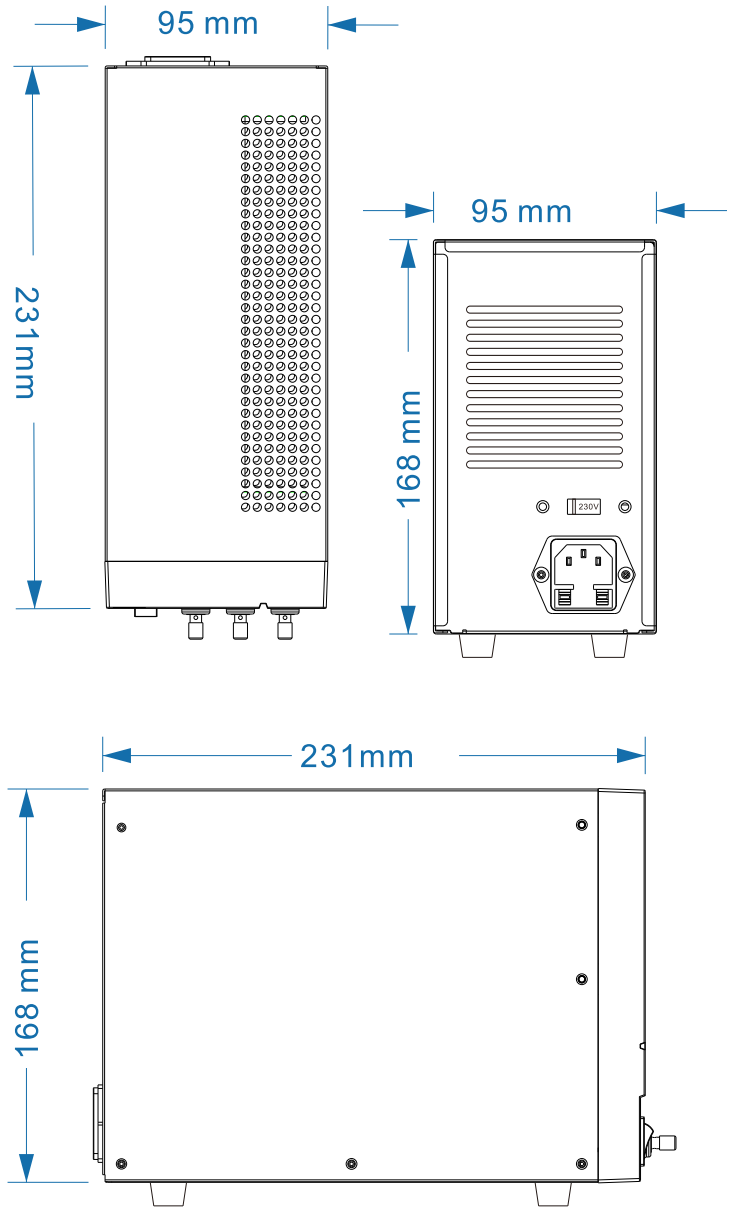
Address: F9, Building D2, Kechuang Center, Songshan Lake Intelligent Valley, No. 7 Yanhe North Road, Liaobu Town, Dongguan City, 523000, Guangdong Province, P. R. China.
Tel: +86-769-81111584 Fax: +86-769-81111804
E-mail: krissy@koradtechnology.com
www.koradtechnology.com
www.korad.com.cn

Specifications

Note: the following specifications are measured by preheating the machine for 3 minutes and the ambient temperature is 25℃±5℃.

Moldels	U202	U203	U205	U206
Voltage	0-30V	0-30V	0-60V	0-60V
Current	0-5A	0-10A	0-3A	0-5A
Load Regulation				
Voltage Current	≤0.01%+2mV ≤0.1%+2mA	≤0.01%+2mV ≤0.1%+5mA	≤0.01%+2mV ≤0.1%+2mA	≤0.01%+2mV ≤0.1%+2mA
Line Regulation				
Voltage Current	≤0.01%+3mV ≤0.1%+3mA	≤0.01%+3mV ≤0.1%+5mA	≤0.01%+3mV ≤0.1%+3mA	≤0.01%+3mV ≤0.1%+3mA
Setup Resolution				
Voltage Current	10mV 1mA	10mV 1mA	10mV 1mA	10mV 1mA
Setup Accuracy(25℃+-5℃)				
Voltage Current	≤0.5%+10mV ≤0.5%+5mA	≤0.5%+10mV ≤0.5%+5mA	≤0.5%+10mV ≤0.5%+5mA	≤0.5%+10mV ≤0.5%+10mA
Ripple(20-20M)				
Voltage Current	≤20mVrms ≤10mArms	≤20mVrms ≤10mArms	≤20mVrms ≤10mArms	≤20mVrms ≤20mArms
Temp. Coefficient				
Voltage Current	≤150ppm ≤150ppm	≤150ppm ≤150ppm	≤150ppm ≤150ppm	≤150ppm ≤150ppm
Read Back Resolution				
Voltage	10mV	10mV	10mV	10mV
Current	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA
Read Back Temp. Coefficient				
Voltage Current	≤150ppm ≤150ppm	≤150ppm ≤150ppm	≤150ppm ≤150ppm	≤150ppm ≤150ppm
Weight and Dimension				
U202, U203, U205 & U206 : 95mm(W)*177(H)*252mm(D)				
U202: 1.8kgs, U203: 2.5kgs, U205: 2kgs & U206: 2.5kgs				

Overall Dimension



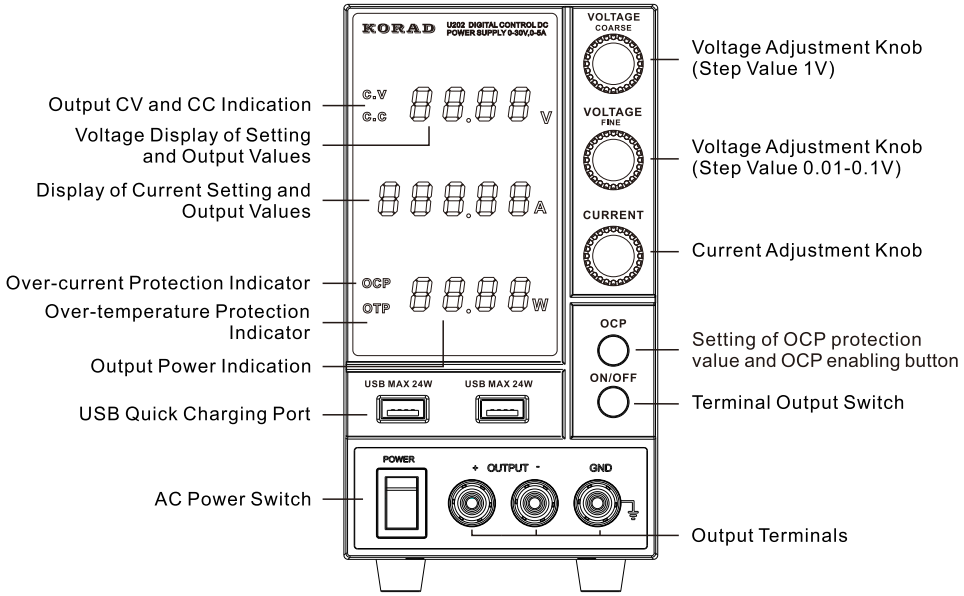
Introduction

With compact size and light weight, U200 series power supplies' min testing current value is 0.1mA, and they have over-current and over-temperature protection functions. Besides, they can control the output through the output switch, and there are shutdown memory function, which is quite suitable for the maintenance of communication and electronic equipment, and the application on electronic experiments, electronic handworks, and factories, etc..

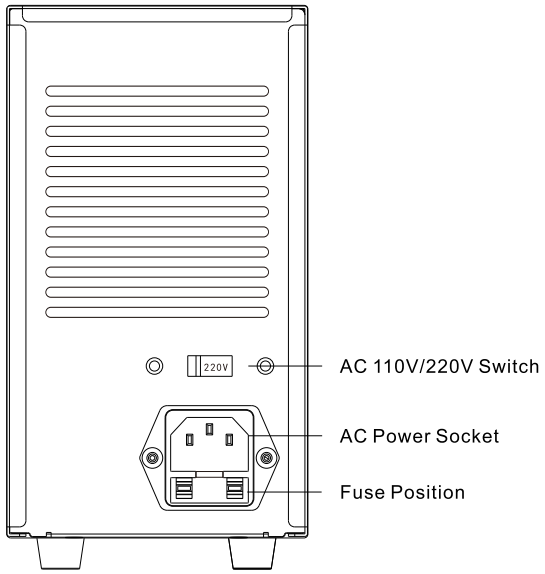
Features

- High-precision voltage and current display
- Power display
- 0.1mA current display function
- Over-current & over-temperature protections
- Dual fast charging USB port, and max single port is 24W
- Output switch control
- Shutdown memory of the setting values
- Digital-potentionmeter & quick-adjustment knob, which can adjust the output quickly and stably

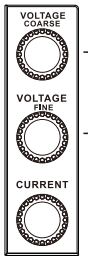
Description of the Operation Panel



Description of Rear Panel



Voltage Setting



Rotate this knob to do coarse adjustment of voltage, and the step adjustment value is 1V or 10V. By pressing this button, you can select the adjustment digit.

Rotate this knob to do fine adjustment of voltage, and the step adjustment value is 0.1V or 0.01V. By pressing this button, you can select the adjustment digit.

Current Setting



Rotate this current adjustment knob to adjust the current value, and press this button to select the adjustment digit.

Over-current Protection Function



OCP Protection value setting: press and hold the key OCP for 1.5 seconds and the OCP indicator starts to blink, and so does the current display value. At this time, adjust the current knob to set the required overcurrent protection value. Then press and hold the key OCP again for 1.5 seconds to save the setting value and exit the setting.

The OCP function is enabled: Press this key to enable the over-current protection function, and then OCP indicator lights ON.

Output Switch Control



Press the key ON/OFF and the output will be turned ON or OFF. When the output is turned OFF, the power display will display-OFF.