



Description

This efficient Switch-Mode power supply features an easy-to-read and accurate three-digit output meter. This output voltage can be adjusted from 0 to 30V and the output current can be limited from 0 to 5A.

Specifications

Input Voltage	: AC 110V 60Hz
Output voltage	: 0-30V (Continuously Adjustable)
Output current	: 0-3A (Continuously Adjustable)
Supply Regulation	: CV $\leq 1\%$ +10mV
Load Regulation	: CV $\leq 1\%$ +5mV
Ripple	: 200mVp- p
Protection	: Current Limit

Meters Indicator Accuracy

Digital output meter accuracy

Voltmeter	: LCD $\pm 1\%$ +2Digits
Ammeter	: LCD $\pm 1\%$ +2Digits

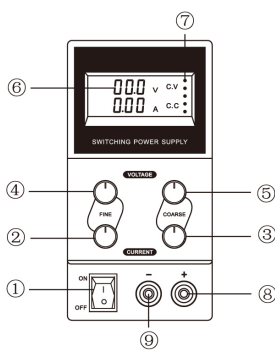
Ambient Operating Environment

Temperature	: 32°F-104°F (0 °C-40°C)
Humidity	: <RH80%
Atmosphere Pressure	: 86kPa-104kPa

Operating Time	: Up to 8 hours continuous
Dimensions	: 6-1/2" x 3-1/4" x 8-1/4" (H x W x D)

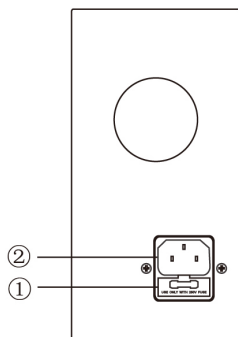
Layout Diagram

Front View



1. Power switch : Turns the unit on and off
2. CC fine tuning knob: Fine tuning current-limiting protection point
3. CC coars tuning knob: Coarse tuning current-limiting protection point
4. CV fine tuning knob: Fine tuning output voltage
5. CV coarse tuning knob: Coarse tuning output voltage
6. Three Digital Display: Displays the voltage or current
7. Current indication
8. Output Positive Terminal
9. Output Negative Terminal

Rear View



1. Fuse: 3A
2. Input power cable: 110V AC 60Hz

Part Number Table

Description	Part Number
DC Switching Power Supply, Adjustable, 1 Output, 0 - 30V, 0 - 5A	PS3005

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