

Triple-Output 30VDC, 3A Digital Display Power Supply Model 1670A



- One variable 0 to 30 VDC, 0 to 3 A variable section
- One 12 VDC fixed section
- One 5 VDC fixed section
- Ideal for general electronic servicing, school electronics labs, and powering up hobbyist's projects

Data Sheet

Model 1670A

Triple Output DC Power Supply

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Output Voltage

Main Output	Variable 0 to 30 VDC
Second Output	Fixed 12 VDC (+ 5%)
Third Output	Fixed 5 VDC (+ 5%)

Output Current

Main Output	0 to 3 A
Second Output	0 to 500 mA
Third Output	0 to 500 mA

Constant Voltage Operation

Voltage Regulation

Line (108 to 132 VAC)	< 0.05% + 10 mV (< 1% second and third output)
Load	< 0.05% + 10 mV (< 1% second and third output)
Recovery Time	100uS
Ripple & Noise	< 5 mV rms
Temperature Coefficient	< 300ppm*°C

Constant Current Operation

Adjustable Current Range	5% to 100% (main output only)
Current Regulation	
Line (108 to 132 VAC)	< 0.4% + 10 mA (main output only)
Load	< 0.4% + 10 mA (main output only)
Current Ripple	< 10mA rms

Metering (main output only)

Display	2 Digital Three Digit LCD
Voltmeter Best Resolution	0.1V
Voltmeter Accuracy	+(1% of reading + 2 digits)
Ampmeter Best Resolution	0.01A
Ampmeter Accuracy	+(1% of reading + 2 digits)

Overload Protection

Current limiting, short circuit, reverse polarity protection

Power Requirements

108 - 132 VAC, 60Hz

Power Consumption (approx.)

200W

Operating Temperature

0° to 40°C, < 75% R.H.

Storage Temperature

-15° to 70°C, < 85% R.H.

Dimensions (HxWxD)

4.9" x 8.5" x 11.5" (124 x 216 x 292mm)

Weight (approx.)

11.5 lbs. (5.2 kg.)