



1760A

Model 1760A

Triple Output DC Power Supply

- Two 0-30 VDC, 2 A sections capable of independent, series or parallel operation
- One 4-6.5 VDC, 5 A section
- Switchable series/parallel operation — 30 V sections
- Adjustable current limit controls — 30 V sections
- Two 3 digit LED displays — one reads volts or amps of “B” supply — one reads volts or amps of “A” supply or 4V-6.5V supply
- Unique variable tracking, B track A at 5% to 100%

Model 1651A

Compact Triple Output DC Power Supply

- Two 0 to 24 VDC outputs (0.5A)
- One fixed 5V output (4A)
- Independent or tracking operation
- Adjustable current limiting
- Designed to operate continuously at rated output
- Short circuit protection, overvoltage protection, reverse polarity protection
- Connect outputs in series for higher voltage output or in parallel for higher current output (switch selectable)

Model 1670A

Triple Output DC Power Supply

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



1651A



1670A

Triple Output DC Power Supplies

Specifications

	1760A	1651A	1670A
Output Voltage	0-30V (A & B) 4-6.5 V (C)	0-24 V (A&B) Fixed 5V output	Main 0-30 VDC Fixed 12VDC ±5% Fixed 5 VDC ±5%
Output Current	0-2A (A & B) 5A (C)	0-500 mA (A&B) Fixed Supply <4 A	Variable 0-3 A Main Fixed 0-500 mA continuous Fixed 0-500 mA continuous
Constant Voltage Operation			
Voltage Regulation			
Line (120VAC ±10%)	≤ 10mV	≤ 0.01% + 3 mV Main ≤ 5 mV for line Fixed supply	≤ 0.05% + 10mV Main ≤ 1% (A & B)
Load	≤ 10mV	≤ 0.01% + 3 mV Main ≤ 10 mV (Fixed)	(0 to rated load) ≤ 0.05% + 10mV ≤ 1% (A & B)
Recovery Time	100μs	100μs	100μs
Ripple & Noise	≤ 1mVrms	≤ 1mVrms	≤ 1mVrms
Temperature Coefficient	≤ 300 ppm°C	≤ 300 ppm°C	≤ 300 ppm°C
Constant Current Operation			
Adjustable Current Range	5% to 100% (A&B)	5% to 100% (A&B)	5% to 100% (Main)
Current Regulation			
Line (120VAC ±10%)	≤ 0.2% + 3mA	≤ 0.2% + 6 mA	≤ 0.4% + 10mA
Load	≤ 0.2% + 3 mA	≤ 0.2% + 3μA	≤ 0.4% + 10mA
Current Ripple	≤ 3 mA	≤ 3 mA rms	≤ 10mA rms
Metering			
Display	2 digital LED	2 Analog	2 digital LCD
Voltmeter Range	0-99.9 V (A & B) 0-99.99 V (C)	0 to 25 V	0 to 12 VDC 0 to 5 VDC
Voltmeter Accuracy	± (0.5% rdg + 2 digits)	2.5% of full scale	±(1% reading + 2 digit)
Ammeter Range	0-9.99 A	0 to 600 mA	0-3 A
Ammeter Accuracy	± (0.5% rdg + 2 digits)	2.5% of full scale	±(1% reading + 2 digit)
Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit		
Power Requirements	108-132 VAC 60 Hz, 120/220/230/240/ VAC, ±10%, 50/60 Hz version available		
Power Consumption	350 W	165 W	170 W
Operating Temperature	-0° to 40°C ≤ 85% R.H.	0° to 40°C ≤ 85% R.H.	0 to 40°C ≤ 75% R.H.
Storage Temperature	-15° to 70°C ≤ 85% R.H.	-15° to 70°C ≤ 85% R.H.	-15° to 70°C ≤ 85% R.H.
Dimensions (H x W x D)	5.7 x 10.5 x 15" (145 x 267 x 381 mm)	5.5 x 11.75 x 10.975" (140 x 298 x 264 mm)	4.9" x 8.5" x 11.5" (124 x 216 x 292 mm)
Weight	21 lbs (9.5 kg)	10.5 lbs (4.8 kg)	11.5 lbs (5.2 kg)

Accessories

Two Year Warranty

One Year Warranty

SUPPLIED:	Instruction Manual, Spare Fuse	Instruction Manual, Test Leads-TL-5(3 pairs), Spare Fuse	Instruction Manual
OPTIONAL (for all models): TL-5A Hook up cables.			