

**1760**

Model 1760 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 1670 Triple Output DC Power Supply

- One variable 0-30 VDC, 2.5 A section
- One 12VDC fixed section
- One 5VDC fixed section
- Ideal for general electronic servicing, school electronics labs, and powering up hobbyists projects

**1651A**

Triple Output DC Power Supplies

**1670**

Specifications

	1760	1651A	models 1670
Output Voltage	0-30V (A & B)	0-24 V (A&B)	Main 0-30 VDC
	4-6.5 V (C)	Fixed 5V output	Fixed 12VDC $\pm 5\%$
			Fixed 5 VDC $\pm 5\%$
Output Current	0-2A (A & B)	0-500 mA (A&B)	Variable 0-2.5 A Main
	5A (C)	Fixed Supply <4 A	Fixed 0-500 mA continuous
			Fixed 0-500 mA continuous
Constant Voltage Operation			
Voltage Regulation			
Line (120VAC $\pm 10\%$)	$\leq 10\text{mV}$	$\leq 0.01\% + 3\text{ mV Main}$	$\leq 0.05\% + 10\text{mV Main}$
		$\leq 5\text{ mV for line Fixed supply}$	$\leq 1\% (A \& B)$
Load	$\leq 10\text{mV}$	$\leq 0.01\% + 3\text{ mV Main}$	(0 to rated load) $\leq 0.05\% + 10\text{mV}$
		$\leq 10\text{ mV (Fixed)}$	$\leq 1\% (A \& B)$
Recovery Time	100 μs	100 μs	100 μs
Ripple & Noise	$\leq 1\text{mVrms}$	$\leq 1\text{mVrms}$	$\leq 1\text{mVrms}$
Temperature Coefficient	$\leq 300\text{ ppm}^\circ\text{C}$	$\leq 300\text{ ppm}^\circ\text{C}$	$\leq 300\text{ ppm}^\circ\text{C}$
Constant Current Operation			
Adjustable Current Range	5% to 100% (A&B)	5% to 100% (A&B)	5% to 100% (Main)
Current Regulation			
Line (120VAC $\pm 10\%$)	$\leq 0.2\% + 3\text{mA}$	$\leq 0.2\% + 6\text{ mA}$	$\leq 0.4\% + 10\text{mA}$
Load	$\leq 0.2\% + 3\text{ mA}$	$\leq 0.2\% + 3\mu\text{A}$	$\leq 0.4\% + 10\text{mA}$
Current Ripple	$\leq 3\text{ mA}$	$\leq 3\text{ mA rms}$	$\leq 10\text{mA rms}$
Metering			
Display	2 digital LED	2 Analog	2 digital LCD
Voltmeter Range	0-99.9 V (A & B)	0 to 25 V	0 to 12 VDC 0 to 5 VDC
	0-99.99 V (C)		
Voltmeter Accuracy	$\pm (0.5\% \text{ rdg} + 2 \text{ digits})$	2.5% of full scale	$\pm (0.5\% \text{ reading} + 1 \text{ digit})$
Ammeter Range	0-9.99 A	0 to 600 mA	0-2.5 A
Ammeter Accuracy	$\pm (0.5\% \text{ rdg} + 2 \text{ digits})$	2.5% of full scale	$\pm (0.5\% \text{ reading} + 1 \text{ digit})$
Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit		
Power Requirements	108-132 VAC 60 Hz, 120/220/230/240/ VAC, $\pm 10\%$, 50/60 Hz version available		
Power Consumption	350 W	165 W	170 W
Operating Temperature	0° to 40°C $\leq 85\%$ R.H.	0° to 40°C $\leq 85\%$ R.H.	0 to 40°C $\leq 75\%$ R.H.
Storage Temperature	-15° to 70°C $\leq 85\%$ R.H.	-15° to 70°C $\leq 85\%$ R.H.	-15° to 70°C $\leq 85\%$ 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)	5.5 x 5.9 x 24" (140 x 150 x 240 mm)
Weight	21 lbs (9.5 kg)	10.5 lbs (4.8 kg)	10 lbs (4.5 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.			



For your nearest distributor, call 800-462-9832 or www.bkprecision.com