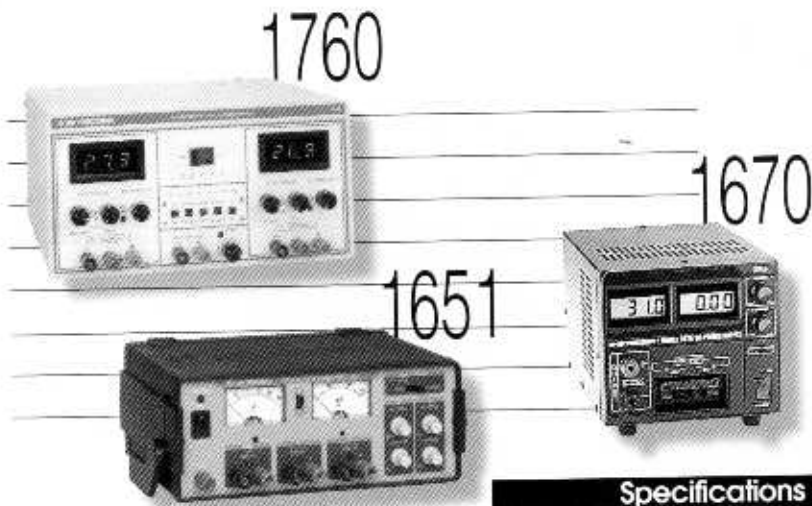


Triple Output DC Power Supplies



BK Precision power supplies can be used in a wide variety of applications such as: Electronics, Manufacturing, Design Labs, Electronic Education and Battery Charging.

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%

Accessories

SUPPLIED: Instruction Manual, Spare Fuse

Model 1651

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)

Accessories

SUPPLIED: Instruction Manual, Test Leads TL-5 (3 pairs), Spare Fuse

Specifications

	1760	1651	1670
Output Voltage (A)	0-30V (A & B)	Two 0-24 V outputs	Main 0-30 VDC, (A) Fixed 12VDC +5%
Output Current	4-6.5 V (C) 0-2A (A & B) 0-5A (C)	One fixed 5V output Main Supply 0-500 mA Fixed Supply (1) 4 ADC Max	Fixed 5 VDC +5% (B) Variable 0-2.5 A Main 0-500 mA continuous (A) 0-500 mA continuous (B)
Constant Voltage Operation			
Voltage Regulation Line	$\leq 0.01\% + 3 \text{ mV}$	$\leq 0.01\% + 3 \text{ mV Main}$ $\leq 5 \text{ mV for line Fixed supply}$	$\leq 0.05\% + 10 \text{ mV Main}$ $\leq 1\% (A \& B)$
Load	$\leq 0.01\% + 3 \text{ mV}$	$\leq 0.01\% + 3 \text{ mV Main}$ $\leq 10 \text{ mV}$	(0 to rated load) $\leq 0.05\% + 10 \text{ mV Main}$ $\leq 1\% (A \& B)$
Recovery Time	100 μs	100 μs	100 μs
Temperature Coefficient	$\leq 300 \text{ ppm}/^\circ\text{C}$	0°C to 40°C	0°C to 40°C
Constant Current Operation			
Adjustable Current Range	5% to 100%	5% to 100%	5% to 100%
Current Regulation Line (108 - 132V 1670 only)	$\leq 0.2\% + 3 \text{ mA}$	$\leq 0.2\% + 6 \text{ mA}$	$\leq 0.4\% + 10 \text{ mA}$
Load	$\leq 0.2\%$ to 3 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			
Type	3-digit LED	Analog	3 digit LCD
Voltmeter Range	0-99.9 V (A & B) 0-9.99 V (C)	0 to 25 V	0 to 12 VDC 0 to 5 VDC
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 0 to 500 mA
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 120V/220/230V/240V AC, +10%, 50/60 Hz version available			108-132 VAC 60 Hz
Power Consumption	350 W		170 W
Operating Temperature	-15° to 70°C $\leq 85\%$	0° to 40° $\leq 85\%$	0 to 40°C $\leq 75\%$
Storage Temperature	-15° to 70°C $\leq 85\%$	0° to 40°C $\leq 85\%$	-15° to 70°C $\leq 85\%$
Dimensions (H x W x D)	5.7 x 10.5 x 15"	3.9 x 9.4 x 7.5"	5-1/2 x 5-7/8 x 9-1/2"
	145 x 267 x 381 mm	100 x 240 x 190 mm	140 x 150 x 240 mm
Weight	21 lbs (9.5 kg)	10.5 lbs (4.8 kg)	10 lbs (4.5 kg)

Model 1670

Triple Output DC Power Supply

- One variable 0-30 VDC, 2.5 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

Accessories

SUPPLIED: Instruction Manual

OPTIONAL ACCESSORIES (for all models): TL-5 Hook up cables.

Two Year Warranty