



Model 1652

## Triple Output DC Power Supply

## Data Sheet

The model 1652 Triple Output DC Power Supply has two 0 to 24VDC outputs capable of supplying 0 to 500mA, and one fixed 5VDC output capable of supplying up to 4A. Connect outputs in series for higher voltage or connect in parallel for higher current output (switch selectable). Voltage and current metering is provided by two, three digit LED displays. This unit is fully short circuit, overload, and reverse polarity protected.

## Features

- Two 0 to 24VDC, 0 to 500mA outputs
- One fixed 5VDC, 4A output
- Independent or tracking operation
- Adjustable current limiting
- Designed to operate continuously at rated output
- Short circuit, over voltage, and reverse polarity protection.



## Specifications

Output Voltage	(2) 0 to 24VDC, (1) 5VDC fixed
Output Current	(2) 0 to 500mA, (1) 4A
Constant Voltage Operation	
Line Regulation	$\leq 0.01\% + 3\text{mV}$ main
	$\leq 5\text{mV}$ for line fixed supply
Load Regulation	$\leq 0.01\% + 3\text{mV}$ main
	$\leq 10\text{mV}$ fixed
Recovery time	100 $\mu\text{s}$
Ripple & Noise	$\leq 1\text{ mVrms}$
Temperature Coefficient	$< 300\text{ ppm}^\circ\text{C}$
Constant Current Operation	
Adjustable Current Range	5% to 100%
Line Regulation	$\leq 0.2\% + 6\text{mA}$
Load Regulation	$\leq 0.2\% + 3\text{uA}$
Current Ripple	$< 3\text{mA rms}$
Metering	
Display	2 digital LED
Voltage range	00.0 - 99.9 (main output)
Voltage Accuracy	$\pm(0.5\% \text{ rdg} + 2 \text{ digits})$
Ammeter Range	.000 - .999 (main output)
Ammeter Accuracy	$\pm(0.5\% \text{ rdg} + 2 \text{ digits})$
Overload Protection	Short circuit, over voltage, and reverse polarity protection
Power Requirements	108-132VAC 60Hz, (120/220, $\pm 10\%$ , 50/60Hz versions available)
Power Consumption	165W
Operating Temperature	0° to 40°C $\leq 85\%$ R.H.
Storage Temperature	15° to 70°C $\leq 85\%$ R.H.
Dimension (H x W x D)	5.5 x 11.75 x 10.975" (140 x 298 x 264 mm)
Weight	10.5 lbs. (4.8 kg)

Specifications subject to change without notice