

Data Sheet

Model 1651A & 1652

The models 1651A & 1652 are Triple Output DC Power Supplies have 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(model 1652) & analog displays(model 1651A). These units are 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.



Model 1651A



Model 1652

Specifications	models	
	1652	1651A
Output Voltage	(2) 0 to 24VDC (1) 5VDC fixed	
Output Current	(2) 0 to 500mA (1) 4A	
Constant Voltage Operation		
Line Regulation	< 0.01% + 3mV main < 5mV for line fixed supply	
Load Regulation	< 0.01% + 3mV main < 10mV fixed	
Recovery time	100uS	
Ripple & Noise (5Hz to 1MHz)	< 1 mVrms (≤ 5mVrms for fixed output)	
Temperature Coefficient	< 300 ppm°C	
Constant Current Operation		
Adjustable Current Range	5% to 100%	
Line Regulation	< 0.2% + 6mA	
Load Regulation	< 0.2% + 3uA	
Current Ripple	< 3mA rms	
Metering		
Display	2 digital LED	2 analog
Voltage range	00.0 - 99.9 (main output)	0 to 25V
Voltage Accuracy	+(0.5% rdg + 2 digits)	2.5% to full scale
Ampmeter Range	.000 - .999 (main output)	0 to 600mA
Ampmeter Accuracy	+(0.5% rdg + 2 digits)	2.5% to full scale
Overload Protection	Short circuit, over voltage, and reverse polarity protection	
Power Requirements	108-132VAC 60Hz, (120/220, +10%, 50/60Hz versions available)	
Power Consumption	165W	
Operating Temperature	0° to 40°C < 85% R.H.	
Storage Temperature	15° to 70°C < 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)	

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Specifications subject to change without notice