

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 (\leq 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)		

Specifications subject to change without notice