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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Data Sheet

Triple Output DC Power Supplies Models 1651A & 1652



Model 1651A



Model 1652

The models 1651A & 1652 are Triple Output DC Power Supplies with two variable 0 to 24 VDC outputs capable of supplying 0 to 500 mA, and one fixed 5 VDC output capable of supplying up to 4 A. 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) or two analog displays (model 1651A). These units are fully protected against short circuit, overload, and reverse polarity.

Features and Benefits

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

Specifications

Model	1651A	1652
Number of Outputs	Three (two variable and one fixed)	
Output Voltage	0 to 24 VDC (A & B) 5 VDC (C)	
Output Current	0 to 500 mA (A & B) 4 A (C)	
Constant Voltage Operation		
Line Regulation	< 0.01% + 3 mV main < 5 mV for line fixed supply	
Load Regulation	< 0.01% + 3 mV main < 10 mV fixed	
Recovery time	100 μ s	
Ripple & Noise (5 Hz to 1 MHz)	< 2 mVrms (\leq 5 mVrms for fixed output)	
Temperature Coefficient	< 300 ppm $^{\circ}$ C	
Tracking Error	No Load: \leq 0.2% + 20 mV Full Load: \leq 0.2% + 100 mV	
Constant Current Operation		
Adjustable Current Range	5% to 100%	
Line Regulation	< 0.2% + 6 mA	
Load Regulation	< 0.2% + 3 μ A	
Current Ripple	< 3 mA rms	
Metering		
Display	dual analog	dual 3-digit LED
Voltmeter Accuracy	2.5% to full scale	+ (0.5% rdg + 2 digits)
Ammeter Accuracy	2.5% to full scale	+ (0.5% rdg + 2 digits)
General		
Overload Protection	Short circuit, over voltage, and reverse polarity protection	
Power Requirements	108-132 VAC 60 Hz, (120/220, +10%, 50/60 Hz versions available)	
Power Consumption	165 W	
Operating Temperature	0 $^{\circ}$ to 40 $^{\circ}$ C < 85% R.H.	
Storage Temperature	15 $^{\circ}$ to 70 $^{\circ}$ 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)	
One Year Warranty		
Included Accessories	3 sets of hook-up cables, power cord, sapre fuse & instruction manual	