

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, spare fuse & instruction manual	