Data Sheet

Single Output DC Power Supplies

Models 1620A, 1621A, 1623A, 1626A & 1627A

Model 1626A

Model 1627A

The 1620A series are rugged, compact, low-cost DC regulated power supplies providing clean and stable DC power.

Specifications	1620A	1621A	1623A	1626A	1627A
Output Voltage	0-18 V	0-18 V	0-60 V	0-30 V	0-30 V
Output Current	0-5 A	0-5 A	0-1.5 A	0-3 A	0-3 A
Constant Voltage Operation Voltage Regulation					
Line (120 VAC +10%, -6%)	<0.02% + 3 mV				
Load (no load - full load)	<0.02% + 3 mV				
Recovery Time	<500 ms				
Ripple & Noise	<1 mVrms				
Temperature Coefficient	<300 ppm/°C				
Constant Current Operation Current Regulation					
Adjustable Current Range	0-100%				
Line (120 VAC +10%, -6%)	<0.02% + 3 mA				
Load	<0.02% + 3 mA				
Current Ripple	<3 mA				
Metering					
Type	Analog	3-digit LED	3-digit LED	Analog	3-digit LED
Voltmeter Range	0-18 V	0-18 V	0-60 V	0-30 V	0-30 V
Voltmeter Accuracy	±7% FS	±2% + 2 digits	±2% +2 digits	±7% FS	±2% +2 digits
Ammeter Range	0-5 A	0-9.99 A	0-9.99 A	0-3 A	0-9.99 A
Ammeter Accuracy	±7% FS	±2% +2 digits	±2% =2 digits	±7% FS	±2% +2 digits
General					
Overload Protection	Current, limiting, reverse polarity, overvoltage, short circuit				
AC Input	120 VAC ±10%, 60 Hz (120/220/230/24C VAC ±10%, 50/60 Hz version available)				
Power Consumption	210 W	220 W	220 W	210 W	220W
Operating Temperature	32 to 104 °F (0 to 40 °C), <75% R.H.				
Storage Temperature	5 to 158 °F (-15 to +70 °C), <85% R.H.				
Dimensions (HxWxD)	8.07" x 4.53" x 10.63" (205 x 115 x 270 mm)				
Weight	13.2 lbs (6 kg)	16.3 lbs (7.4 kg)	16.3 lbs (7.4 kg)	3.2 lbs (6 kg)	16.3 lbs (7.4 kg)
One-Year Warranty					
Included Accessories	User manual and power cord				

Features & Benefits

- Continuously monitor voltage and current output on two analog meters
- Connect two supplies in parallel to double the current output
- Connect two supplies in series to double the voltage output
- New compact style
- Reliable, Durable
- Operate continuously at full load without overheating
- Fully overload protected
- Coarse and fine voltage controls
- Great regulation
- Very low ripple
- Constant voltage or constant current operation

Technical data subject to change
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