

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