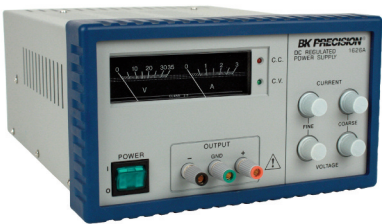


Data Sheet

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<br>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<br>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<br>(6 kg)                                                         | 16.3 lbs<br>(7.4 kg) | 16.3 lbs<br>(7.4 kg) | 3.2 lbs<br>(6 kg) | 16.3 lbs<br>(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