



1746A



1730A



1735A

Single Output DC Power Supplies

- Largest selection of voltage and current ratings ever offered
- Connect two supplies in parallel to double the current output
- Connect two supplies in series to double the voltage output
- Reliable, Durable
- Operate continuously at full load without overheating
- Fully overload protected

- Coarse and fine voltage controls
- Excellent regulation
- Very low ripple
- Constant voltage or constant current operation
- Continuously monitor voltage and current output on two meters
-  cUL Approved for models 1710A, 1711A, 1715A, 1730A, 1735A

Specifications

| | 1710A | 1711A | 1715A | 1730A | 1735A | 1740A | 1743A | models 1746A |
|----------------------------|---|----------------|-------------------------|------------------|-------------------------|---------------------------------------|-------------------------|-----------------|
| Output Voltage | 0-30 V | 0-60 V | 0-60 V | 0-30 V | 0-30 V | 0-60 V | 0-35 V | 0-16 V |
| Output Current | 0-1A | 0-2 A | | 0-3 A | | 0-4 A | 0-6 A | 0-10A |
| Constant Voltage Operation | | | | | | | | |
| Voltage Regulation | | | | | | | | |
| Line (120VAC ±10%) | ≤0.01% + 3 mV | | | | | | ≤0.2% + 2mV | |
| Load (no load - full load) | ≤0.01% + 3 mV | | | | | | ≤0.04% + 2mV | |
| Recovery Time | ≤100 μs | | | | | | ≤100 μs | |
| Ripple & Noise | ≤1mV rms | | | | | | ≤1mV rms | |
| Temperature Coefficient | ≤300 ppm/°C | | | | | | ≤300 ppm/°C | |
| Constant Current Operation | | | | | | | | |
| Adjustable Current Range | 5% to 100% | | | | | | 5% to 100% | |
| Current Regulation | | | | | | | | |
| Line (120VAC ±10%) | ≤0.2% + 3mA | | | | | | ≤0.4% + 5mA | |
| Load | ≤0.2% + 3mA | | | | | | ≤0.4% + 5mA | |
| Current Ripple | ≤3mArms | | | | | | ≤3mArms | |
| Metering | | | | | | | | |
| Type | Analog | Analog | 4-digit LED | Analog | 4-digit LED | Analog | 4-digit LED | Analog |
| Voltmeter Range | 0-32V | 0-64V | 0-99.99V (green) | 0-32V | 0-99.99V (green) | 0-64V | 0-99.99V (green) | 0-16V |
| Voltmeter Accuracy | ±2.5% | ±2.5% | ± (0.5% rdg + 9 digits) | ±2.5% | ± (0.5% rdg + 9 digits) | ±2.5% | ± (0.5% rdg + 9 digits) | ±2.5% |
| Ammeter Range | | | | | | | | |
| High Range | 0-1.04 A | 0-2.2 A | 0-9.999 A (red) | 0-3.2 A | 0-9.999 A (red) | 0-4.4 A | 0-9.999 A (red) | 0-11 A |
| Low Range | 0-0.26 A | 0-0.55 A | | 0-0.53 A | | 0-1.1 A | | 0-2.2 A |
| Ammeter Accuracy | ± 2.5% | ± 2.5% | ± (0.5% rdg + 9 digits) | ±2.5% | ± (0.5% rdg + 9 digits) | ± 2.5% | ± (0.5% rdg + 9 digits) | ± 2.5% |
| Overload Protection | Current limiting, reverse polarity, overvoltage, short circuit | | | | | | | |
| Power Requirements | 120 VAC ±10%, 60 Hz only (120/220/230/240 VAC ±10%, 50/60 Hz version available) | | | | | | | |
| Power Consumption | 70W | 210W | 210W | 180W | 180W | 450W | 420W | 380W |
| 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) | 6.2 x 5.5 x 12.5" (158 x 140 x 318 mm) | | | | | 5.7 x 10.5 x 15" (145 x 267 x 381 mm) | | |
| Weight | 8 lb.(3.6 kg) | 12 lb.(5.4 kg) | 12 lb.(5.4 kg) | 10.5 lb.(4.7 kg) | 10.5 lb.(4.7 kg) | 23 lb.(10.4 kg) | 24 lb.(10.8 kg) | 20 lb.(9 kg) |

Accessories

Two Year Warranty

OPTIONAL: Hook-up leads - up to 5 amps Model TL-5A, up to 30 amps Model TL-30