



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

Specifications								models				
	1710A	1711A	1715A	1730A	1735A	1740A	1743A	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 (Typical)						
Temperature Coefficient						≤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						
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