



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Data Sheet

Single Output DC Power Supplies Models 1740B, 1743B, 1744A, 1745A & 1746B

These power supplies have all of the great features you would expect B+K Precision power supplies to have and some new features not normally seen on power supplies in this price range. The output-shorting button allows the user to short the output terminals to set the current limit.



Model 1744A



Model 1745A

Specifications	1740B	1743B	1746B	1744A	1745A
Output Voltage	0-60 V	0-35 V	0-16 V	0-35 V	0-35 V
Output Current	0-4 A	0-6 A	0-10 A	0-10 A	0-10 A
Constant Voltage Operation					
Voltage Regulation	Line (120 VAC \pm 10%) <0.2% + 2 mV Load (no load - full load) <0.04% + 2 mV				
Recovery Time	<100 μ s				
Ripple & Noise	1 mV rms (Typical)				
Temperature Coefficient	<300 ppm/ $^{\circ}$ C				
Constant Current Operation					
Adjustable Current Limit	5% to 100%				
Current Regulation	Line (120 VAC \pm 10%) <0.4% + 5 mA Load <0.4% + 5 mA				
Current Ripple	<3 mArms				
Metering					
Type	2-Analog	Dual 4-digit LED	2-Analog	2-Analog	Dual 4-digit LED
Voltmeter Range	0-64 V	0-99.99 V (green)	0-16 V	0-40 V	0-99.99 V
Voltmeter Accuracy	\pm 2.5%	\pm (0.5% + 9 digits)	\pm 2.5%	\pm 2.5%	\pm (0.7% + 9 digits)
Ammeter Range					
High Range	0-4.4 A	0-9.999 A (red)	0-11 A	0-11 A	0-9.999 A
Low Range	0-1.1 A	-	0-2.2 A	0-2.2 A	-
Ammeter Accuracy	\pm 2.5%	\pm (0.5% + 9 digits)	\pm 2.5%	\pm 2.5%	\pm (0.7% + 9 digits)
General					
Overload Protection	Current limiting, reverse polarity, overvoltage, short circuit				
AC Input	120/220 VAC \pm 10%, 50/60 Hz				
Power Consumption	450 W	420 W	380 W	560 W	560 W
Operating Temperature	32 to 104 $^{\circ}$ F (0 to 40 $^{\circ}$ C), <75% R.H.				
Storage Temperature	5 to 158 $^{\circ}$ F (-15 to +70 $^{\circ}$ C), <85% R.H.				
Dimensions (H x W x D)	5.7" x 10.5" x 15" (145 x 267 x 381 mm)				
Weight	23 lbs (10.4 kg)		20 lbs (9.1)	27 lbs (12.2)	
Two-Year Warranty					
Included Accessories	Instruction manual , spare fuse and power cord				

Features & Benefits

- 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