



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

B+K High Current DC Power Supplies are designed for continuous duty and are ideal for substituting car batteries. For servicing/demonstrating high-power car stereos, cellular phone products, camcorders, and ham radios. Hobbyists, retailers, and service shops use car batteries to power mobile equipment. Car batteries are heavy, leak acid, spark, can't tolerate shorted outputs, and must be recharged. These Power Supplies provide their maximum current output continuously hour after hour without overheating. For more output, just connect two or more in parallel or series. These are the only high-current supplies in their price range built to withstand continuous duty!

The B+K Precision Models 1686A & 1688A are a high quality 3 to 14 Volt DC Power Supplies primarily designed for bench powering of automotive and marine electronic equipment. The Models 1686A & 1688A have a maximum output current proportional to the voltage setting (see specifications chart). Two panel mounted meters continuously monitor the output voltage and current.



1688A

Models 1686A & 1688A

Variable Voltage - 3 to 14 volts DC output

- 20 A guaranteed @ 13.8V (Model 1688A)
- 12 A guaranteed @ 13.8V (Model 1686A)
- Current limiting overload protection
- Over voltage protection
- Short circuit protection
- Reverse polarity protection
- Thermostatically controlled cooling fan
- Thermal protection
- Operates continuously at full load without overheating
- Connect two in parallel for more current
- Connect two in series for higher voltage

Specifications		models	
	1686A	1688A	
Output	3 to 14 VDC		
Output Voltage	3 to 14 VDC		
Output Current	Proportional to Output Voltage		
DCV Output-Max DCA	3V - 2.5A 5V - 4.5A 9V - 7.5A 12V - 10A 13.8V - 12A 14V - 12A	3V - 4.5A 5V - 7.5A 9V - 13A 12V - 20A 13.8V - 20A 14V - 20A	
Line Regulation	(108-132VAC) ≤ 0.8%		
Ripple and Noise	≤ 10mVrms.		
Metering			
Voltmeter Range	0-20V	0-30V	
Voltmeter Accuracy	±7% FS		
Ammeter Range	0-20A	0-30A	
Ammeter Accuracy	±7% FS		
General			
Power Requirements	120/220 VAC ±10%, 50/60 Hz.		
Power Consumption	400W	580W	
Operating Temperature	32° to 104°F (0° to 40°C), ≤ 85% R.H.		
Storage Temperature	5° to 158°F (-15° to 70°C), ≤ 75% R.H.		
Dimensions (HxWxD)	4.9 x 8.5 x 11.5" (124 x 216 x 292mm)		
Weight	12.1 lbs. (5.5kg)	19.8lbs. (9kg)	

Accessories **One Year Warranty**

SUPPLIED: Instruction Manual, Line Cord
OPTIONAL: TL-30 Hook-up leads