

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!

Model 1689, 1690 **Regulated 28A DC Power Supply**

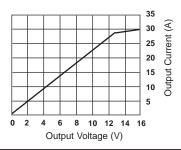
The new B+K Precision Regulated 28A DC Power Supplies 1689 & 1690 offer multiple DC output terminals; two pairs of 3A, snap-in DC connectors are easily accessible on the front panel, and a pair of 28A screw-on DC output terminals are located on the rear panel. Both models provide their maximum current output continuously hour after hour without thermal drifting. They are ideal car battery substitutions for servicing or demonstrating high power car stereo, cellular phone products, or even ham radio.

- IVDC to I5VDC Variable Output
- 28A Output at ≥I3.5VDC
- Overload protection
- High RFI stability
- Multiple DC Output Terminals.

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



f * Graph showing the relationship the output voltage has on the output current.

One Year Warranty

Specifications		models
	1689	1690
DC Output MAX Ratings		
Voltage	1-15V	
Current	*28A (@13.8V)	
Meter Accuracy	7% F.S	$\pm (0.2\% + 2 \text{ digits})$
Line Regulation	5mV (±2% Load)	
Load Regulation	50mV (0-100% Load)	
Ripple & Noise (RMS)	5mV	
Operating Voltage	120 VAC, 60 Hz	
Dimension (W x H x D)	9.84 x 5.5 x 8.86" (250 x 140 x 225mm)	
Weight	19.9 lbs. (9kg)	
Display	Precision Analog	Digital LED

Accessories

SUPPLIED: User Manua

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1686A	1688A
	<u> </u>
3 to 14 VDC	
Proportional to Output Voltage	
3V -2.5A	3V -4.5A
5V - 4.5A	5V -7.5A
9V - 7.5A	9V -13A
12V - 10A	12V -20A
13.8V - 12A	13.8V -20A
14V - 12A	14V -20A
(108-132VAC)≤ 0.8%	
≤ I0mVrms.	
0-20V	0-30V
±7% F.S	
0-20A	0-30A
±7% F.S	
120/220 VAC ± 10%, 50/60 Hz.	
400W	580W
32° to 104°F (0° to 40°C), $\leq 85\%$ R.H.	
5° to 158°F (-15° to 70°C), ≤ 75% R.H.	
8.1 x 4.5 x 10.6" (205 x 115 x 270mm)	
12.1 lbs. (5.5kg)	19.8lbs. (9kg)
	3 to 1 Proportional 3V -2.5A 5V - 4.5A 9V - 7.5A 12V - 10A 13.8V - 12A 14V - 12A (108-132V ≤ 10 0-20V ±7' 0-20A ±7' 120/220 VAC ± 400W 32° to 104°F (0° to 40°C 5° to 158°F (-15° to 70° 8.1 x 4.5 x 10.6" (205 x 1

Accessories

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SUPPLIED: Instruction Manual OPTIONAL: TL-30 Hook-up leads

