

# Data Sheet

## Regulated 28 A DC Power Supplies Models 1689 & 1690



Model 1689



Model 1690

Models 1689 and 1690 are high current DC power supplies designed for continuous duty. These power supplies provide up to 28 A maximum current output continuously hour after hour without overheating, making them ideal car battery substitutions for servicing or powering high power car stereos, cellular phone products, or ham radios.

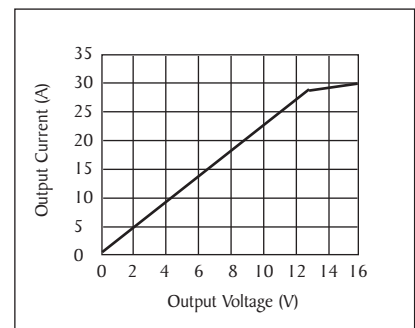
The models offer analog (model 1689) or digital (model 1690) displays with multiple output terminals. Two pairs of 3 A, snap-in connectors are easily accessible on the front panel, and a pair of 28 A screw-on output terminals are located on the rear panel.

### Features & Benefits

- 1 V to 15 V variable output
- 28 A output at 13.8 V\*
- Overload protection
- High RFI stability
- Multiple DC output terminals (one 28 A and two 3 A output terminals)

Specifications	1689	1690
<b>OUTPUT</b>		
Voltage	1-15 V	
Current	*28 A (at 13.8 V)	
Line Regulation	5 mV ( $\pm 2\%$ Load)	
Load Regulation	50 mV (0-100% Load)	
Ripple & Noise	5 mV	
<b>METERING</b>		
Accuracy	7% F.S.	$\pm(0.2\% + 2 \text{ digits})$
<b>GENERAL</b>		
Display	Precision Analog	Digital LED
AC Input	110 VAC, 60 Hz	
Dimension (W x H x D)	9.84" x 5.5" x 8.86" (250 x 140 x 225 mm)	
Weight	19.9 lbs. (9 kg)	
<b>One-Year Warranty</b>		
Supplied Accessories	User manual	

### Output Voltage and Current



Graph showing relationship between output voltage and output current

\* See graph for output current and output voltage