

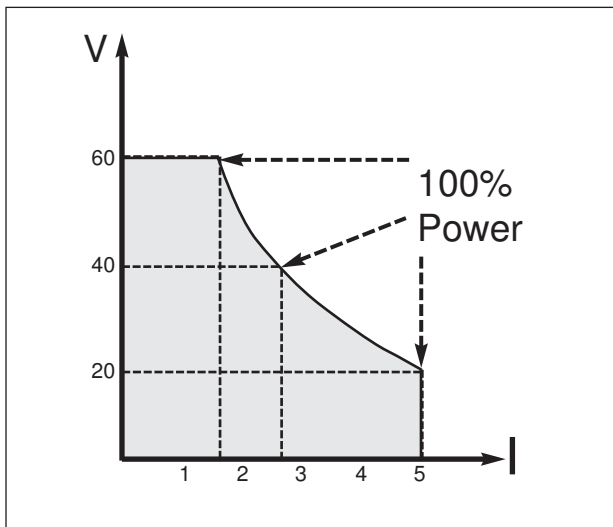
Data Sheet

**100W Multi Range
60V/5A DC Power
Supply**

Model 9110



The 9110 is a new type of power supply. Unlike conventional power supplies with fixed output ratings, the 9110 automatically recalculates voltage/current limits for each setting, forming a constant power hyperbolic shaped boundary as illustrated in the diagram below. The 9110 provides 100W output power in any Volt/Amp combination within the rated voltage (60V) and current (5A) limits. By providing greatly expanded choices of Volt/Amp combinations, users can cut down on the number of power supplies required and free up valuable bench space.



Example:

When setting the voltage to the maximum of 60V, the maximum current value is $100W/60V = 1.66A$. For a 20V setting, the maximum current is 5A. Maximum output power of 100W is possible for all Volt/Amp combinations that lie on the hyperbolic curve.

Key Features:

- Digitally controlled, mixed mode linear/switching DC power supply
- 10mV/1mA resolution over the full range
- Bright, easy to read display
- Very compact size and light weight
- Low ripple and noise
- High reliability due to OCP, OVP and OTP (Over current/voltage/temperature protection)
- Output On/Off control
- Store and recall 4 x 100 groups of preset Volt/Amp values
- Temperature controlled, variable speed fan cooling

Specifications		model
		9110
Output Ratings	Voltage 0 ~ 60V	Current 0 ~ 5A
	Max. Power: 100W	
Load Regulation	$\leq 0.01\% + 3mV$	$\leq 0.01\% + 3mA$
Line Regulation	$\leq 0.01\% + 3mV$	$\leq 0.1\% + 2mA$
Setting Accuracy	$\leq 0.05\% + 10mV$	$\leq 0.2\% + 2mA$
Display Accuracy	$\leq 0.05\% + 10mV$	$\leq 0.1\% + 2mA$
Ripple	$\leq 2.0 mVrms$	$\leq 5 mArms$
General		
State Storage Memory	100 groups with 4 sets of Volt/Amp memories each	
Weight	5.9lbs (2.65kg)	
Dimensions (W x H x D)	3.47" x 6.9" x 11.11" (88mm x 175mm x 282mm)	
Accessories		One Year Warranty
SUPPLIED: Line Cord, Manual		
OPTIONAL: TL 5A (5A test leads), TL 30 (30A test leads), TLPS (Power supply test lead kit)		

Specifications subject to change without notice

B&K Precision Corporation
22820 Savi Ranch Parkway, Yorba Linda, CA 92887
Tel: 714-921-9095, Fax: 714-921-6422
www.bkprecision.com