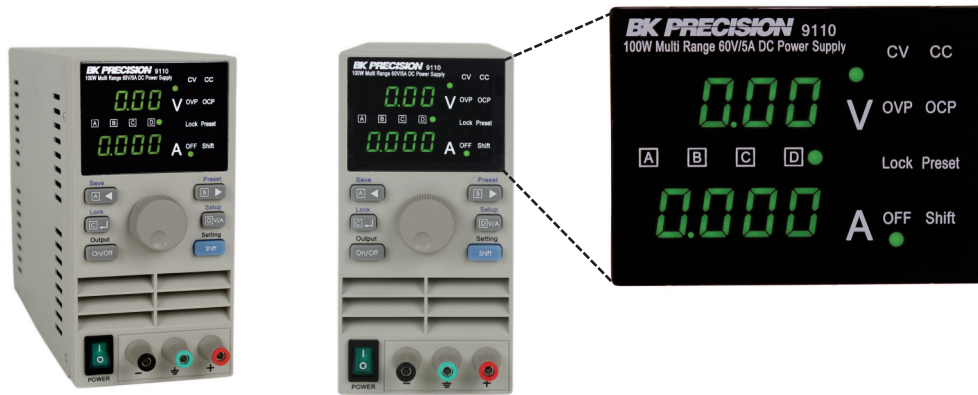


Data Sheet

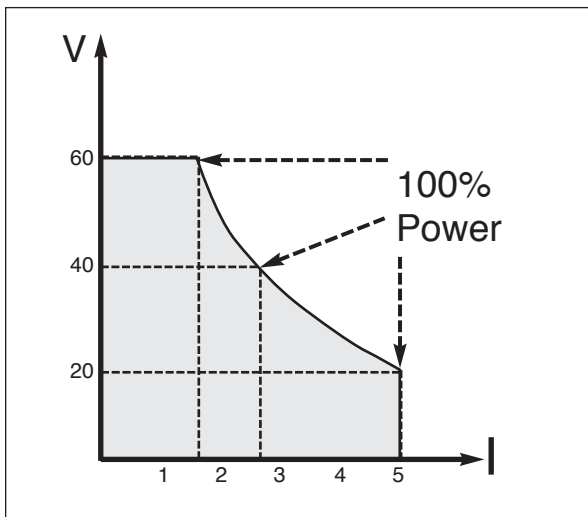
100 W Multi Range 60 V / 5 A DC Power Supply Model 9110



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. The 9110 provides 100 W output power in any Volt/Amp combination within the rated voltage (60 V) and current (5 A) limits. By providing greatly expanded choices of maximum power Volt/Amp combinations, users can cut down on the number of power supplies required and free up valuable bench space.

Features & Benefits

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



Example:

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

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

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