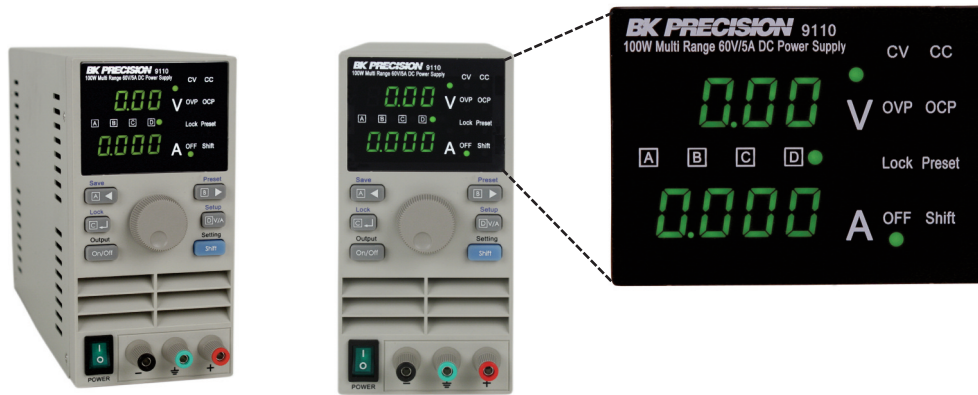# Data Sheet

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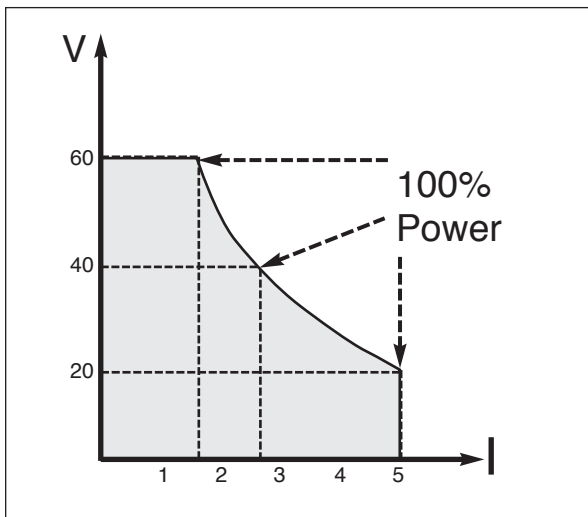
Example:
When setting the voltage to the maximum of 60V, the maximum current value is 100 W/60 V = 1.66 A. For a 20V setting, the maximum current is 5 A. Maximum output power of 100 W is possible for all Volt/Amp combinations that lie on the hyperbolic curve.

Specifications		9110
Output Ratings	Voltage	0-60 V
	Current	0-5 A
Max. Power		100 W
Load Regulation	Voltage	≤ 0.01% + 3 mV
	Current	≤ 0.01% + 3 mA
Line Regulation	Voltage	≤ 0.01% + 3 mV
	Current	≤ 0.1% + 2 mA
Setting Accuracy	Voltage	≤ 0.05% + 10 mV
	Current	≤ 0.2% + 2 mA
Display Accuracy	Voltage	≤ 0.05% + 10 mV
	Current	≤ 0.1% + 2 mA
Ripple	Voltage	≤ 2.0 mVrms
	Current	≤ 5 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)

Technical data subject to change
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