

## 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. 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 maximum power Volt/Amp combinations, users can cut down on the number of power supplies required and free up valuable bench space.

- 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

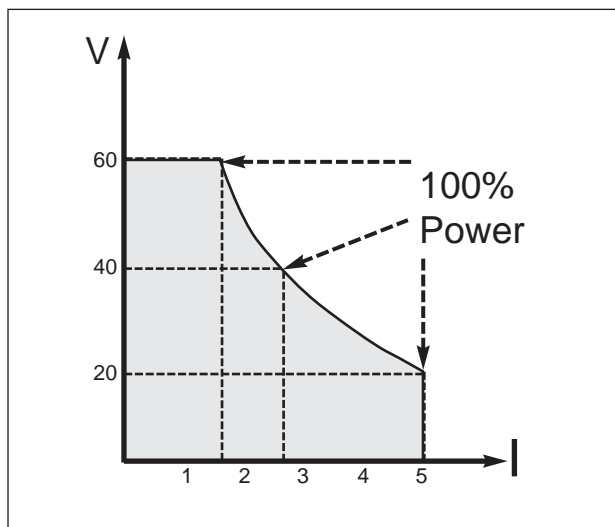
## Data Sheet

### 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  $100\text{W}/60\text{V} = 1.66\text{A}$ . 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

	9110		model
	Voltage	Current	
Output Ratings	0 ~ 60V	0 ~ 5A	
	Max. Power: 100W		
Load Regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mA}$	
Line Regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.1\% + 2\text{mA}$	
Setting Accuracy	$\leq 0.05\% + 10\text{mV}$	$\leq 0.2\% + 2\text{mA}$	
Display Accuracy	$\leq 0.05\% + 10\text{mV}$	$\leq 0.1\% + 2\text{mA}$	
Ripple	$\leq 2.0\text{ mVrms}$	$\leq 5\text{ mArms}$	

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), TLP5 (Power supply test lead kit)

Specifications subject to change without notice