



Model 9110

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

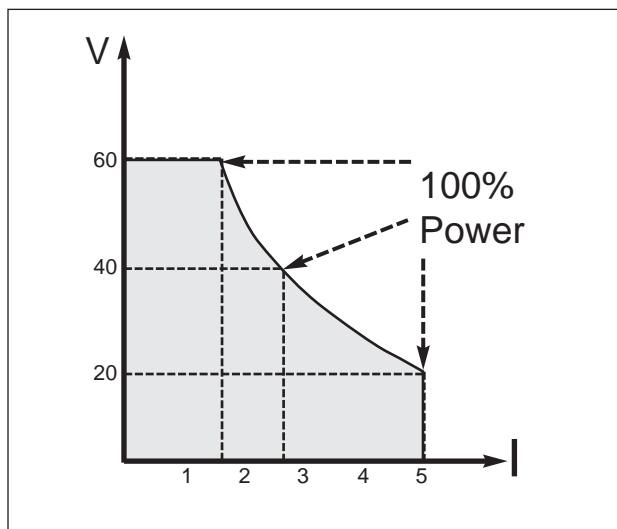
Data Sheet

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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