

Voltex HeNe Laser Power Supply

Model DG-15-00



The Voltex DG series of dual AC input power supplies represents the state of the art in compact, ultra-high reliability switching power supplies. Designed to provide very high conversion efficiency, and fully encapsulated in a specially formulated epoxy for maximum heat dissipation and electrical insulation, these power supplies can be packaged in a much more compact and convenient size than our competitors without compromising reliability. This power supply:

- Operates most 1/2 mW through 2 mW HeNe lasers.
- Has selectable 115 VAC or 230 VAC input.
- Delivers > 85% conversion efficiency for cool operation and long life.
- At 1" X 2 1/2" X 3 1/2", occupies only half the space of comparable units.
- Has an internal bleed-down resistor to reduce shock hazard.
- Complies with IEC 950, EN 60950, and VDE 0805 standards.
- Has a full 18-month warranty.

For further information, pricing and delivery, please contact:

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DG-15-00 SPECIFICATIONS

Input:

Input Volts: 115 or 230 VAC +/-10%. 50/60 Hz
Input Current: .23 Amps at 115VAC, .12A at 230VAC*
Lead Length: 12" minimum (304mm)

Output:

Voltage: 1300-1900 VDC
Current: 3 to 6.0 mA. User adjustable
Start Voltage: >8 KV
Output Current Ripple: < 2% P - P (< .71% RMS) **
Output Fault Protection: Open, Short, Arc
Conversion Efficiency: > 85%
CDRH Delay: 3 - 5 seconds. (Cut violet loop to disable)
Output Connector: Alden style, high voltage
Dimensions: 1" X 2.5" X 3.5" (25mm X 64mm X 89mm)

* Input Current varies with line and load.

** Measured current ripple will vary with type of laser and current setting.

