

Voltex HeNe Laser Power Supply

Model TH-36-00



The Voltex TH series of dual AC input power supplies represents the state of the art in ultra-high reliability switching power supplies for applications requiring a higher output current than our standard DG series. 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 lasers from 3200 to 4000 VDC at up to 10mA.
- Has selectable 115 VAC or 230 VAC input.
- Delivers > 85% conversion efficiency for cool operation and long life.
- Has an internal bleed-down resistor to reduce shock hazard.
- Has a full 18-month warranty.

For further information, pricing and delivery, please contact:

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TH-36-00 SPECIFICATIONS

Input:

| | |
|----------------|---------------------------------|
| Input Volts: | 115 or 230 VAC +/-10%. 50/60 Hz |
| Input Current: | .6 / .3 A Max.* |
| Lead Length: | 12" minimum (304mm) |

Output:

| | |
|--------------------------|---|
| Voltage: | 3200-4000 VDC |
| Current: | 8 to 10 mA. User adjustable |
| Start Voltage: | >12 KV |
| Output Current Ripple: | < 5% P - P (< 2% 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: | 1.2" X 3.25" X 4.25" (30mm X 83mm X 108mm) |

* Input Current varies with line and load.

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

