

# HeNe Power Supplies



## Features

- Fully Encased Electronics
- Dual Input Voltage Power Supply
- Generates a Relatively Small Amount of Heat

## Applications

- Instrumentation
- Laboratory Use
- Spectroscopy
- Holography
- Surveying

Specifications	L23 Series	L28 Series	SL45 Series	L88 Series	L92 Series	SL93 Series
Output Voltage	2.5 - 5kV DC					
Input Voltage	7 - 14VDC	22 - 30VDC	100 - 230VAC	115 - 230VAC	100 - 130 or 200 - 260VAC	100 - 130 or 200 - 260VAC
Output Power	2.5 - 25W	2.5 - 25W	6 - 22.5W	35 - 75W	Up to 25W	40W
Output Voltage	900 - 3500V	900 - 3500V	1850 - 2800V	4000 - 7000VDC	Up to 3500VDC	2.5 - 5kV DC
Output Current	2.5 - 7.5mA	2.5 - 7.5mA	3 - 7.2mA	7 - 15mA	Up to 7.5mA	Up to 7.5mA
Starting Voltage	12.5kV DC					
Current Regulation	±0.2mA for ±10% line change					
Maximum Power Out	40W					
Minimum Power Out	20W					
Input Frequency	50 - 400Hz					
Conversion Frequency	80%					
Temperature	-30° to +75° at heat sink					
Isolation	1500V isolation from AC line to safety ground and output return					
Size	1.40 x 2.3 x 7.0" (35.56mm x 58.42mm x 177.8mm)					
Leads	Mounting holes and leads located at one end					

## HeNe Power Supply Options

**Active Filter** - Can be engineered to a customer's specific needs, providing a reduction in ripple.

**Alden Connector** - for use with anode and cathode connections.

**Ballast Module** - typically a 82KOhm, 7W resistor encapsulated in a tube 0.42" in diameter and 2.0" long; ballast must be less than three inches from the anode of the tube; maximum power that can be dissipated in each module is 3.5W.

**CDRH Delay** - for customers requiring a 3- to 5-second delay in the start of the laser tube.

**Current Adjust, Internal or External** - available with a maximum adjustment range of ±30% from a nominal point.

**Decreased Line Voltage** - input nominal voltage can go down to 25% lower than the specified nominal with a ±10% line change capability.

**EMI Shielding** - available at customer's request.