

FOR USE WITH XENON ARC LAMPS AT POWER LEVELS FROM 35W TO 1000W

The **ELXE** series of power supplies is of constant current, or constant power mode, utilizing switch mode technology for igniting and operating Xenon Arc Lamps. The supply regulates the power supplied to the lamp by sampling the voltage across the lamp and the current through the lamp, while adjusting the current so that the product is essentially constant.

The **ELXE** series of power supplies incorporates a built-in high voltage ignitor that is pulsed automatically when the power supply is turned on.

Typically the **ELXE** series is designed to application specific parameters and are available in the combination of ratings to 54 Amps and 22 Volts DC. The models listed below merely represent the most commonly used voltages and currents ratings.

DC OUTPUTS

<u>Model</u>	<u>Operating Power</u>	<u>Boost Volts</u>	<u>Ignition Volts</u>
ELXE 50	17-22 VDC at 3.0-2.3A	200 VDC	30 KV
ELXE 150	17-22 VDC at 6-8A	200 VDC	30 KV
ELXE 500	41-18 VDC at 12-27A	200 VDC	30 KV
ELXE 800	27-18 VDC at 29-43A	200 VDC	30 KV
ELXE 1000	27-18 VDC at 37-54A	200 VDC	30 KV

AC INPUTS**Line Voltage:**

100-130 VAC 1Ø 50/60HZ or 200-260VAC 1Ø 50/60HZ via internal jumper changes.

Line Current (RMS) at 115 VAC nominal: ELXE 50 = 0.7A; ELXE 150 = 3.0A; ELXE 500 = 7.0A; ELXE 800 = 11A; ELXE 1000 = 11A.

Line Current (RMS) at 230 nominal: ELXE 50 = 0.3A; ELXE 150 = 1.5A; ELXE 500 = 3.5A; ELXE 800 = 6.0A; ELXE 1000 = 6.0A.

GENERAL

Controls & Meters: An "AC" switch is provided to turn the internal control power on; the "start" push button switch is provided to start and supply power to the lamp; A "stop" push button switch stops the lamp.

Analog meters monitor the output voltage and current.

A local elapsed time meter monitors lamp hours.

Lamp current is adjustable via a front panel mounted control.

All units are fan cooled.

A ten second ignition timer is incorporated into the power supply which is activated when the start button is depressed. If ignition does not take place during the 10 second period, all voltage at the output connector is removed.

Ignition and boost voltage are terminated immediately when the lamp ignites.

Output power is supplied via two plug connections on rear panel.

Regulation: with input of 100-130VAC, output will not vary more than 0.3%.

Ripple: 20 Khz and below, 0.1% RMS max.

Size & Weight

<u>Model</u>	<u>W x H x D</u>	<u>LBS.</u>
ELXE 50	7-3/4" X 5-1/4" X 13-1/8"	14
ELXE 150	7-3/4" X 5-1/4" X 13-1/8"	14
ELXE 500	10-1/8" X 5-5/16" X 18.0"	29
ELXE 800	11-7/8" X 5-27/32" X 17.5"	34
ELXE 1000	11-7/8" X 5-27/32" X 17.5"	34