

SL & B Series - AC Power Sources

The SL & B series provide a wide range of single, two and three phase, precision solid-state AC power sources. Designed to provide variable voltage and frequency for testing linear loads over their full voltage and frequency ranges.

- [Manual](#) or [IEEE-488 programmable](#) using Elgar's Plug-in Programmers
 - SL series provides 150% of rated capacity into linear resistive loads, while the B series are rated at 100% of capacity
 - Low Harmonic Distortion - typically better than 0.4%
 - Wide frequency range of 45 to 5000 Hz
 - Overload and temperature protection
 - Low effective output impedance
 - Series and paralleling capabilities
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Available Models

SINGLE Ø MODELS:

MODEL NUMBER	POWER RANGE	OUTPUT VOLTS	HEIGHT
121B	120VA	0-130/260	3.50"
251B	250VA	0-32/130/260	5.25"
351SL-11	350VA	0-65/130/260	5.25"
501SL-11	500VA	0-65/130/260	5.25"
751SL-11	750VA	0-65/130/260	7.00"
1001SL-11	1000VA	0-65/130/260	7.00"
1751SL-11	1750VA	0-65/130/260	12.25"
3001	3000VA	0-65/130/260	17.50"
3500SL-11	3500VA	0-65/130/260	24.50"
6000-1	6000VA	0-130/260/520	35.00"
9000-1	9000VA	0-130/260	52.50"

Larger systems available, consult factory.

TWO Ø MODELS: Consult factory

THREE Ø MODELS:

MODEL NUMBER	POWER RANGE	OUTPUT VOLTS	HEIGHT
153B	150VA	0-30/130	5.25"
360-3	360VA	0-130/260	10.50"
503A	500VA	0-75/130	8.75"
750-3	750VA	0-32/130/260	15.75"
1203SL-11	1200VA	0-65/130/260	8.75"
2253SL-01	2250VA	0-65/130/260	14.00"
3000SL-3	3000VA	0-65/130/260	21.00"
5250SL-3	5250VA	0-65/130/260	36.75"
9000-3	9000VA	0-65/130/260	52.50"

Larger systems available, consult factory.

Key Specifications

INPUT

Voltage: Standard inputs include 115VAC, 208VAC and 230VAC, 1 Ø. Consult factory for how to specify.

Frequency: 47-63Hz, optional 400Hz available.

OSCILLATORS

SL & B Series sources require either a manual or [Plug-in-programmer](#) oscillator. These oscillators determine programmability of output voltage, frequency, phase, etc. See appropriate data sheets for further information.

OUTPUT

Voltage Range: Full rated VA from 55-65 VAC, 110-130 VAC, or 220-260 VAC over a $\pm 10\%$ input variance and rated load PF of 0.7 to unity.

Output Frequency Range: 45 Hz to 5000 Hz at full rated power.

Load Regulation: $\pm 1\%$ no load to full load over full frequency range; $\pm 0.015\%$ when equipped with external sensing.

Line Regulation: $\pm 0.25\%$ at rated load for a $\pm 10\%$ input variance.

Total Harmonic Distortion:

SL Series: 0.4% 200 Hz to 1000 Hz; 0.6% Full frequency range

B Series: 0.5% 100 Hz to 1000 Hz; 0.9% Full frequency range

GENERAL

Operating Temperature Range: 0 - 55 ° C.

Dimensions: 19"w x 22"d(max, depth on some models may be less).

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Height - see table above.