

LOADS

ELECTRICAL SPECIFICATIONS

EL SERIES



AC input	105 to 125 VAC	EL300N/301/750B
	210 to 250 VAC	EL300N-A/301-A/750B-A
	198 to 242 VAC	EL750B-E
	215 to 264 VAC	EL750B-K

Frequency 47 to 63 Hz

Current ripple Less than 0.1A peak to peak

	EL300N	EL300N & 301	EL750B
Max. loading power	300 W*	300 W*	750 W
Max. loading voltage	60 VDC	60 VDC	55 VDC
Min. loading voltage	4.5 VDC	1.8 VDC	1.8 VDC
Max. loading current	60 A	60 A	150 A

*125 W without AC input

	EL300N	EL300N & 301	EL750B
Protection circuits			
Overvoltage	Yes	Yes	Yes
Overcurrent	Yes	Yes	Yes
Over-temperature	Yes	Yes	Yes
Reversed polarity	No	No	Yes
Meter shunt	No	No	Yes
Operating modes			
Constant resistance	Yes	Yes	Yes
Constant current	No	Yes	Yes

	EL300N	EL300N & 301	EL750B
Dynamic testing			
Loading	No	Yes, 60 Hz	Yes, 120 Hz or 1 KHz
Response time		1 μ s per amp or 50 μ s	1 μ s per amp or 60 μ s

	EL300N	EL300N & 301	EL750B
Remote programming	No	Analog; constant current	Analog; constant current

	EL300N	EL300N & 301	EL750B
Current signal output	-2.5mV per amp	-2.5mV per amp	1mV per amp

Meter ranges:	EL300N	EL300N & 301	EL750B
Voltmeter	0 to 15 VDC 0 to 60 VDC	0 to 15 VDC 0 to 60 VDC	0 to 60 VDC
Ammeter	0 to 6A 0 to 60A	0 to 6A 0 to 19.99A 0 to 60A	0 to 10A 0 to 50A 0 to 100A 0 to 200A
Accuracy	$\pm 3\%$ full scale	$\pm 3\%$ full scale $\pm 0.5\%$, ± 1 count	$\pm 2\%$ full scale

ENVIRONMENTAL

Temperature	0°C to +40°C (+25°C without air, EL300N)
Cooling	Internal fan

OPTIONS

Bench top case	EL300N and EL301
Four-position rack	Four EL300N or EL301
Blank dress panels	For rack enclosure
Power strip	Eight position
Load cables	AWG #6 wire
Ribbon cable	EL301 to EL300N interconnect (supplied with each EL301)
12" line cord	EL300N and EL301 (7 ft. standard)
Slides	EL750BR