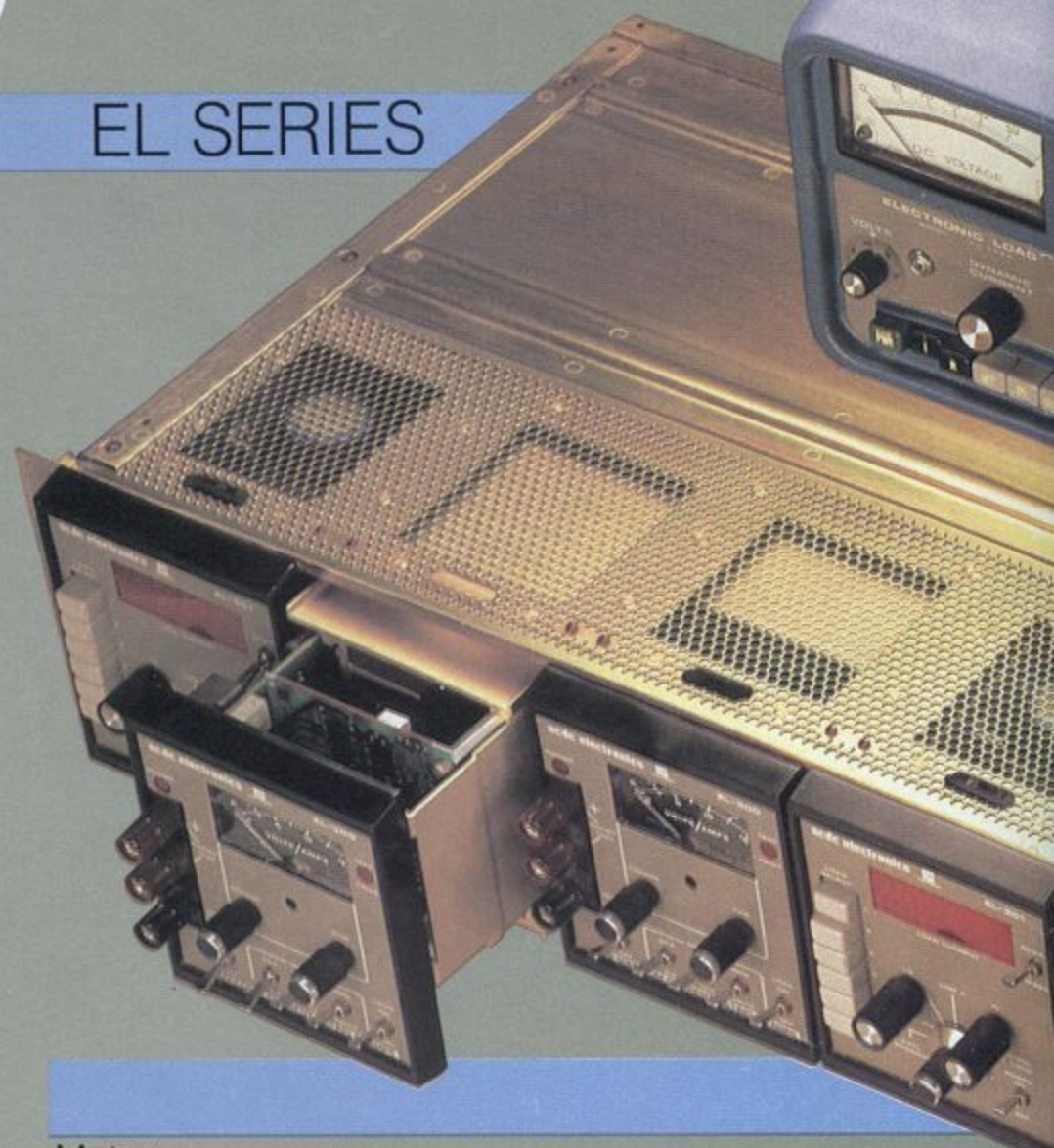
ELECTRONIC LOADS

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
Dynamic testing			
Loading	No	Yes, 60 Hz	Yes, 120 Hz or 1 KHz
Response time		1μs per amp or 50μs	1μs per amp or 60μs
Remote programming	No	Analog; constant current	Analog; constant current
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	±3% full scale	±3% full scale ±0.5%, ±1 count	±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