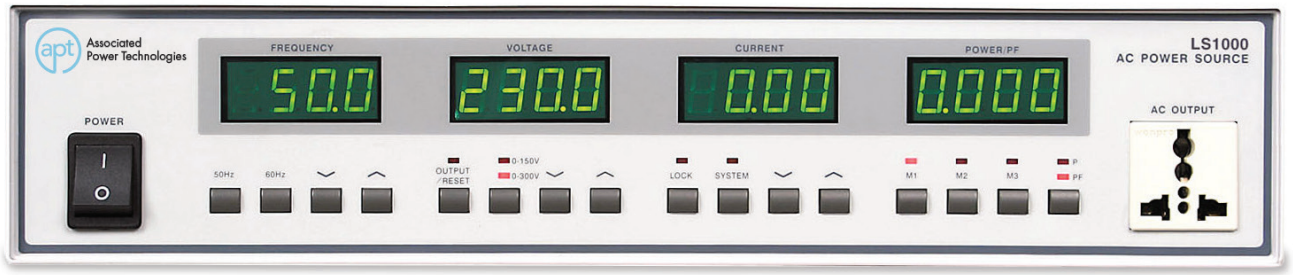
LS Series CE

Linear AC Power Sources

Our LS Series linear AC power sources provide clean, regulated power at competitive prices. Linear technology reduces total harmonic distortion (THD) across the instrument's output frequency range and improves performance for high crest factor loads. Four LED displays monitor voltage, current, frequency, power and power factor while the easy-to-use local push-button interface allows operators to quickly set and change test parameters with ease. Built-in safety features protect the instrument, the operator, and the DUT ensuring a safe work environment.

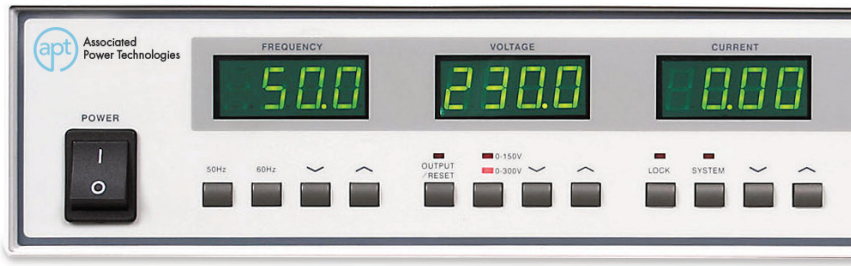


Features

- 3 built-in memory locations
- 50/60 Hz quick selection keys
- Metering circuits monitor voltage, current, frequency and power
- Constant current output with over current fold back feature
- Front panel lockout
- Programmable high and low limits for voltage, current and frequency
- Low range metering into milliwatts for power (optional)
- Push-button interface for easy setup
- Test/Reset key quickly disables output voltage
- Front panel calibration

Options

- Grounded Neutral
- 7 Remote Memories
- Low Range .1mA/.01W Resolution



Applicable Industries

Aerospace

Laboratory

Lighting

Medical

APT Benefits

3 YEAR WARRANTY

1 DAY GUARANTEED SHIPMENT

INPUT			LS 500	LS 1000
Phase			1Ø	
Voltage			115/230 VAC Selectable ± 10% Variation	
Frequency			50/60 Hz ± 5%	
OUTPUT				
Voltage			0 - 300 VAC	
Max Power			500 VA	1 kVA
Max Current 1Ø	0 - 150 V		4.2 A @ ≤120 V	8.4 A @ ≤120 V
	0 - 300 V		2.1 A @ ≤240 V	4.2 A @ ≤240 V
Phase			1Ø	
Frequency			45 - 500 Hz	
THD			<0.5% @ 45-500 Hz (Resistive Load)	
Crest Factor			≥4	
Line Regulation			± 0.1 V	
Load Regulation			± 0.5% (Resistive Load)	
MEASUREMENT				
Voltage	Range		0.0 - 300.0 V	
	Accuracy		± (1.5% of reading + 2 counts)	
Frequency	Range		0.0 - 500.0 Hz	
	Accuracy		± 0.1 Hz	
Current (RMS)	Range	L	0.000 - 3.500 A (2.0 mA - 350.0 mA)	
		H	3.0 - 35.00 A	
	Accuracy		± (2.0% of reading + 3 counts) for high range ± (2.0% of reading + 5 counts) for low range (± 0.6% of reading + 5 counts Option 5)	
Power	Range	L	0.0 - 350.0 W (0.20 - 3500 W Option 5)	
		H	300 - 4000 W	
	Accuracy		± (5.0% of reading + 3 counts) for high range ± (5.0% of reading + 5 counts) for low range (± 0.6% of reading + 5 counts Option 5)	
Power Factor	Range		0.000 - 1.000	
	Accuracy		W/VA, Calculated value	
GENERAL				
Inrush Current			4 times the current rating	
Enhanced Over Load Capacity			105% overcurrent can hold for 500 ms w/o protection	
Operation Key Feature			Up/Down Arrow Key	
Memory			3 Memories (M1, M2, M3), (7 Memories Option 4)	
PLC Remote Interface			Input: Test, Reset Recall Memories 1-3 (1-7 Option 4), Output: Fail, Test-in-Process	
Fan			Yes	
Front Output			Universal Receptacle	
Rear Output			Universal Receptacle	Terminal Block
Displays			4 LED Displays	
Rack Mount Kit			Standard	
Protection Circuits			Over Current, Over Voltage, Over Temperature	
Calibration			Front panel software	
Dimensions (W x H x D)			16.92 x 3.50 x 15.75 in	16.92 x 3.50 x 22.05 in
			430 x 89 x 400 mm	430 x 89 x 560 mm
Net Weight			55 lbs (25 kg)	79.4 lbs (36 kg)

Specifications subject to change

Why We Use Counts
APT publishes some specifications using "counts" which allows us to provide a better indication of the tester's capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2V.