

Finally, a back up system You can believe in.

Surge Eliminator/Power Conditioner
Line Interactive 1000 VA



Protect your mission critical AV equipment with the new 1000 VA UPS Surge Eliminator.



Superior to standby UPS products, the SU-1000Li provides faster response, automatic voltage regulation, and battery backup during a brownout, blackout, surge, or power failure.

Unlike other UPS products, our SU-1000Li 1000 VA Line Interactive UPS is backed with SurgeX Advanced Series Mode[®] patented surge elimination technology to shield computer and AV equipment from catastrophic damage. The SU-1000Li also includes common mode and normal mode Impedance Tolerant[®] EMI/RFI filtering, and provides a sophisticated web browser-based interface to manage power settings, customize diagnostics, monitor multiple computers, and schedule shutdowns and restarts.

- Provides A-1-1 Certified fail safe protection from surges, spikes, blackouts, and brownouts.
- Automatic voltage regulation provides a stable AC source during less than optimal power conditions without constant use of internal batteries.
- Includes SentryPlus[™] UPS power management and diagnostic software.
- Over/Under Voltage Protection
- Advanced Series Mode[®] surge elimination technology stops all surges up to 6,000 volts without producing harmful side effects such as ground contamination or common-mode disturbances, is superior to conventional MOV and MOV-Hybrid circuitry, and is completely non-sacrificial.
- Credenza Friendly-Only 10.5" deep!

FEATURES

- 2U Rack Mount
- 1000 VA Battery Backup
- Advanced Series Mode[®] Surge Elimination
- Impedance Tolerant[®] EMI/RFI Filter
- Automatic Voltage Regulation
- Over/Under Voltage Protection
- SentryPlus[™] Power Management and Diagnostic Software
- USB port
- Self-test Circuit and Visual Indicator
- Receptacles:
2 UPS / 4 Surge Elimination
- 10 Year Warranty
- A-1-1 Certified
- RoHS Compliant
- Made in U.S.A.

SentryPlus™ Power Management and Diagnostic Software

- Plan a schedule to shutdown, restart, test UPS and control receptacles
- Customize programmable actions
- Set up notifications of user-defined power related events via pager, e-mail, audible alarm, network broadcast and SNMP trap
- View Real-time UPS data meters (voltage, frequency, loading percentage)
- Analyze power history and event records via software data and graphs
- Configure Multi-computer shutdown/wakeup through TCP/IP network
- Access remote monitoring, control and configuration through TCP/IP network
- Monitor and network multiple UPSs at a glance in a LAN
- Communicate to UPS using Universal Serial Bus (USB)



Technical Description

The SU-1000Li is a 1000 VA line interactive uninterruptible power supply, surge eliminator, and power conditioner in a magnetically shielded steel enclosure. It operates from 120 volts AC and has a 6-foot, grounded, 3-wire #14 line cord. It has 4 grounded AC receptacles and two of these provide battery back up protection. Overall dimensions are 3.5" H x 19.0" W x 10.5" D. Weight is 32.0 pounds.

The SU-1000Li has a load rating of 15 amps at 120 volts, a self-test circuit with visual indicator, and provides EMI/RFI filtering. It meets Federal Grade A, Class 1, Mode 1 guidelines for power line surge suppressors and withstands at least 1000 occurrences of surge pulse voltages, up to 6000 volts. SentryPlus™ auto shutdown and monitoring software is also included with SU-1000Li hardware.

The SurgeX Difference

SurgeX is the leading manufacturer of premium AC power conditioning products for the professional audio, video, broadcast, and multi-media marketplace. Our patented technology is built exclusively to properly protect ProAV equipment from AC surges and electrical transients that can disrupt sound quality and digital performance.

- **100% Fail Safe Protection**
- **A-1-1 Certified**
- **All SurgeX products are backed by an industry leading 10 Year Warranty.**



SPECIFICATIONS

AC INPUT

Number of Phases: Single (2W + G)
Power Cord: 6-ft. grounded, 3 wire, #14 line cord
Input Voltage (Acceptable Input Voltage): 120VAC (0 - 160VAC)
Input Voltage Range (Normal mode): 90 - 150VAC
DC Start Capability: Yes, (defaults to 60Hz)
Power Requirements (no load): 35 watts (charging), 15 watts (charged)

AC OUTPUT (NORMAL MODE)

Load Rating: 15 Amps @ 120 volts
Load Power Factor: 0.6
Outlets: 6 outlets (15 Amp) all with Advanced Series Mode surge elimination, 2 outlets with battery back-up
Output Frequency: Same as Input
Short Circuit Protection: Re-settable circuit breaker and electronically limited
Overload Capability: 110% - 5 minutes ≥ 120% - immediate shutdown
Output Voltage Regulation: 120VAC: -12.5% to +8.4%
Waveform: Same as Input
Boost Mode Voltage (Buck mode voltage): Nominal +16% (Nominal -1.4%)
Line Mode Voltage Range: 105 - 130VAC
Efficiency: Normal mode > 90%

AC OUTPUT (BATTERY MODE)

Capacity: 1000VA/600W
Back-up Run Time: 4 minutes 600W full load, 10.4 minutes 300W half load
Output voltage: Nominal 120VAC
Waveform: Stepped sine wave (simulated sine wave)
Topology: Single boost/buck line interactive, simulated sine wave
Battery Mode Voltage Regulation: Nominal ± 6% until LBW
Transfer Time: 6-10 ms
Output Frequency & Regulation: 50/60Hz ± 0.5Hz (Unless synchronized to utility)
Short Circuit Protection: Active electronic (current limit)

BATTERIES

Battery Rating: (2) 12V/7AH
Replacement: Hot swappable
Recharge Time: 8 hours to 90% after full load discharge

SURGE PROTECTION SPECIFICATIONS

Surge Protection: Advanced Series Mode® surge elimination
Surge Energy Rating: 6,000 volts/3,000 amps
Let through Voltage (6,000 volt surge): 0 volts
UL 1449 Adjunct Classification Test Results: 1000 surges, 6000 volts, 3000 amps, B3 pulse; Measured suppressed voltage: 170 volts; no failures.
Federal Guidelines: Grade A, Class 1, Mode 1 (CID A-A-55818)
EMI/RFI Filter, Normal Mode (50-ohm load): 40 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz
EMI/RFI Filter, Common Mode (50-ohm load): 18 dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz
Maximum Applied Surge Voltage: 6000 volts*
Maximum Applied Surge Current: Unlimited, due to current limiting*
Maximum Applied Surge Energy: Unlimited, due to current limiting*
Endurance (C62.41-1991 Category B3 pulses): 1kV>500,000; 3 kV>10,000; 6 kV>1000

GENERAL SPECIFICATIONS

Warranty: (USA and Canada only) 10-year limited warranty
Monitoring Software: Includes SentryPlus software
Communications: USB
Rack Size: 2U
Unit Dimensions (H x W x D): 3.5" x 19.0" x 10.5"
Unit Weight (lbs.): 32.0 lbs.
Operating Temperature: 32°F to 104°F (up to 5,000 ft above sea level (0°C to +40°C (up to 1,500 meters above sea level))
Operating Elevation: 32°F to 95°F (5,001-10,000 ft above sea level (0°C to +35°C (1,501 to 3,000 meters above sea level))
Storage Temperature/Relative Humidity: 5°F to 113°F (-15°C to +45°C) / 0 - 95% non-condensing
Humidity Range: 5% to 95% R.H., non-condensing

* 1.2 x 50 μs pulse, industry standard combination wave surge, as per IEEE C62.41.

** Specifications subject to change without notice.

*** CAUTION: Do not install this device if there is not at least 10 meters (30 feet) or more between the electrical outlet and the electrical service panel.