

550 W to 1500 W SINGLE PHASE

eLITE™ SERIES
MODEL ELN

**Centralized Emergency
Lighting Inverters**

True no-break system, designed for 100% loading using HID, incandescent, halogen, and quartz lighting applications, plus PFC electronic ballast loading up to 50% of the rated output.

Meets NFPA 101, NFPA 111, NEC, and local codes.

Applications:

- Schools
- Gymnasiums / Athletic Fields
- Indoor / Outdoor Security Lighting
- Outdoor Egress
- Security Systems
- Parking Structures / Garages
- Hospitals / Clinics
- Shopping Centers / Strip Malls
- Churches
- Restaurants
- Theaters
- Hotels



UL 924
UL / cUL 1778



CONTROLLED POWER COMPANY

Controlled Power Company engineers and manufactures the industry's highest quality **centralized emergency lighting inverters**, capitalizing on 3 decades of expertise. We have an enviable reputation for quality, which is reflected in the design, workmanship, and performance of our products.

Features & Benefits

- Uninterrupted, regulated, continuous sinewave output for use with "normally on" lighting fixtures and exit lamps.
- Standby output for use with "normally off" emergency lighting fixtures.
- Programmable, timed "normally off" bus.
- Integral constant voltage transformer isolates and regulates output voltage.
- "Normally on" and "normally off" circuit breaker configurations:
550 W: Input main circuit breaker (CB).
Single main output CB standard.
Optional 1 monitored CB or a total of 3 unmonitored CB's.
- 1000 W and 1500 W: Input main CB.
3 output CB's standard. Optional 3 monitored CB's or a total of 6 unmonitored CB's.
- Integral status and alarm panel.
- Remote communications via alarm signals or RS232.
- Integral 90 minute battery.
- Compatible with all lighting applications: HID, high-pressure sodium, fluorescent, incandescent, halogen, quartz, etc.
- System approved for 42k AIC rated source.
- Front-access design.
- Wall or floor-mounted options.
- NEMA 2 enclosure (standard).
- HVAC and NEMA 3R enclosure options for outdoor installations — consult factory.
- Remote status panel, and automatic phone dialer.
- Generator-compatible.
- Optional accelerated battery charger for full load runtimes > 90 minutes.

Safety

- UL 924 Emergency Lighting Equipment.
- UL 924 Auxiliary Power Supplies.
- UL / cUL 1778
- NFPA 101, NFPA 111, NEC, and local codes.

Display Monitor & Diagnostics

Bright, 3-Digit LED Provides System Parameters:

- Input voltage
- Output voltage
- Percent of battery capacity
- Percent of battery charged
- Percent of load

LED Indicators Provide System Status:

- System ON (Green)
- System ON BATTERY (Yellow)
- LOW BATTERY Warning (Red)
- ALARM (Red)

Product Specifications

- Input Operating Voltage Range: +10%, -40% typical, load-dependent, without battery usage
- Input Frequency: 60 Hz, ± 2.5%
- Output Sine Wave Voltage: Maximum 3% harmonic distortion, any single harmonic
- Power Factor: Self-correcting to >0.95
- Line Voltage Regulation: ± 3%
- Load Regulation: Typically better than ± 3%
- Isolation: Galvanic
- Standard Unit Operating Temperature: 0° C to +40° C
- Total System MTBF: 100,000 hours
- Common Mode Noise Rejection: 120 dB
- Transverse Mode Noise Rejection: 70 dB
- Efficiency 89% typical

Standards

- ANSI / IEEE C62.41 Category B3
- NFPA 101
- NFPA 111 Stored Electrical Energy Emergency and Standby Power Systems. Meets SEPSS / ECE / Level 1 and Level 2 criteria for types O, U, A, B, and 10; and Classes up to and including Class 1.5
- NFPA 70 National Electric Code
- FCC Article 15, J, Class A

ELN MODEL NUMBERS

MODEL NUMBERS	*MODEL # SUFFIX	WATTS	INPUT - OUTPUT VAC 60 HZ	FULL LOAD BTU'S / HR	WEIGHT (LBS.)
ELN-AAX-550W	S-0-S000-S-S	550	120 - 120	409	344
ELN-JJX-550W	S-0-S000-S-S	550	277 - 277	409	344
ELN-AAX-1KW	S-0-S000-S-S	1000	120 - 120	545	426
ELN-JJX-1KW	S-0-S000-S-S	1000	277 - 277	545	426
ELN-AAX-1.5KW	S-0-S000-S-S	1500	120 - 120	614	510
ELN-JJX-1.5KW	S-0-S000-S-S	1500	277 - 277	614	510

* The model numbers and suffix shown, represent a standard UL 924 listed inverter with no options.

Notes: Each model includes 90 minutes back-up time. When purchasing optional battery runtime, normally off bus, output breakers, accelerated battery charger, or wall mount kit, please consult factory for details on constructing the appropriate model number. Product dimensions are 39" H x 31" W x 16.6" D. Standard single pole 20 amp output circuit breakers: (1) for 550 W, (3) for 1000 W and 1500 W.



"World's recognized authority in power treatment"

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