

**550 W to 1500 W SINGLE PHASE**

**eLITE™ SERIES**  
**MODEL ELN**

**Centralized Emergency  
Lighting Inverters**

True no-break system, compatible with all  
existing and future lighting applications.

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



**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.
- Listed UL 924.

## Safety

- UL 924 Emergency Lighting Equipment.
- UL 924 Auxiliary Power Supplies.
- 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				
UL 924 MODELS	WATTS	INPUT - OUTPUT VAC 60 HZ	BTU'S / HOUR	WEIGHT (LBS.)
ELN-AAX-550W-S	550	120 - 120	409	344
ELN-JJX-550W-S	550	277 - 277	409	344
ELN-AAX-1KW-S	1000	120 - 120	545	426
ELN-JJX-1KW-S	1000	277 - 277	545	426
ELN-AAX-1.5KW-S	1500	120 - 120	614	510
ELN-JJX-1.5KW-S	1500	277 - 277	614	510

Notes: Each model includes 90 minutes back-up time. Consult factory for ELN models with back-up times other than 90 minutes. 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.



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