

# 550 W — 1500 W SINGLE PHASE

## eLITE™ Series MODEL ELN


### Centralized Emergency Lighting Inverters

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

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

#### Applications:

- Schools / Universities
- 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 / C-UL 1778



**CONTROLLED POWER COMPANY**

Controlled Power Company engineers and manufactures the industry's highest quality **centralized emergency lighting inverters**, capitalizing on 4 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 sinewave output for use with "normally on" lighting fixtures / 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.
- Remote communications via alarm signals or RS232.
- **Integral 90 minute battery.**
- System approved for 42k AIC rated source.
- Front-access design, with wall- or floor-mount options.
- NEMA 2 enclosure.
- Remote status panel, and automatic phone dialer.
- Generator-compatible.
- Optional accelerated battery charger for full load runtimes > 90 minutes.
- Optional, externally-mounted **NetMinder™** communications adapter which integrates the inverter into an Ethernet TCP/IP, MODBUS TCP, or MODBUS RS485 network to remotely monitor inverter status, electrical parameters, and notify of alarm conditions. An additional BACnet communications adapter is also available.

## Safety

- UL 924 Emergency Lighting Equipment.
- UL 924 Auxiliary Lighting and Power Equipment.
- UL / C-UL 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 load
- Percent of battery capacity
- Percent of battery charged

### 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	WEIGHTS (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
<b>ELN-JJX-1kW</b>	<b>S-0-S000-S-S</b>	<b>1000</b>	<b>277 - 277</b>	<b>545</b>	<b>426</b>
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.



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