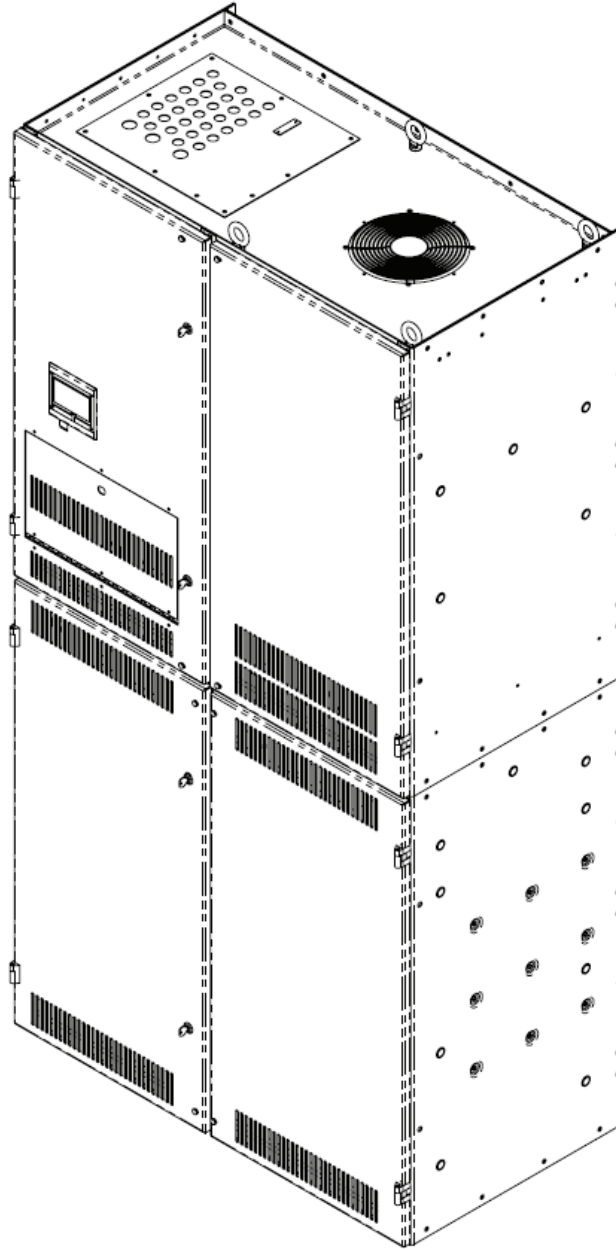


5.3KW - 18KW  
EMERGENCY LIGHTING INVERTER



## INTRODUCTION

### Emergency Lighting Inverter

#### *Model ELE*

The Model ELE is a single phase, continuous duty, line interactive, Emergency Lighting Inverter designed to supply reliable, clean and regulated power for critical loads. An efficient ferro-resonant transformer, microprocessor controlled solid state pulse width modulation inverter and long lasting battery pack provide immunity to all line disturbances and power interruptions with no break in AC output power. When using the inverter, you are assured your lighting service will not be interrupted. Available from 5.3 kW to 18 kW, the ELE operates in a wide range of facilities including commercial buildings, healthcare, education, data centers, and industrial environments. Its Intellistat TS™ touchscreen monitoring system provides advanced diagnostics, NFPA-compliant testing, and extensive communication capabilities for code-mandated emergency lighting readiness.

### Key Features

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#### **Performance & Power Conditioning**

Continuous, regulated sinewave output for all lighting types, including LED, HID, and fluorescent. Standby output for “normally off” emergency lighting circuits. Ferro-resonant transformer provides galvanic isolation and excellent voltage stabilization. Handles electronic ballast harmonic distortion (<10% input THD).

#### **Reliability & Safety**

Overload- and short-circuit-proof design. Standard AC & DC input protection with internal bypass. Advanced digital monitoring system with full alarm annunciation. UL 924, UL 924 Auxiliary Power Supplies, UL / C-UL 1778 compliant. Meets NFPA 101, NFPA 111, NEC, and ANSI/IEEE C62.41 Category B3 standards.

#### **Intellistat TS™ Touchscreen Monitoring**

Full-color LCD display showing all electrical and battery parameters. User-programmable NFPA-compliant automatic testing (30/60/90-day and annual). Stores up to 50 events (alarms/tests). Multi-layer password protection. Optional email, fax, voice, or web reporting.

#### **Batteries**

Sealed, maintenance-free, lead-calcium. Long life, 1 year full, 14-year pro-rated warranty.

#### **Installation & Configuration**

Front-access NEMA 1 design for flexible installation. Configurable multi-cabinet arrangements for inverter + battery cabinets. Internal and optional external bypass switches.

#### **Communications**

RS-232 (DB9), dry-contact relays, and USB-B for logs & monitoring.  
Optional: Ethernet, MODBUS and BACnet over TCP/IP or RS485, Remote Annunciator Panel.

## SPECIFICATIONS

### Electrical

Input Range Voltage Range	+10% -15% without battery usage
Input Frequency	60 Hz +/- 2.5 Hz
Output Sinewave 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%

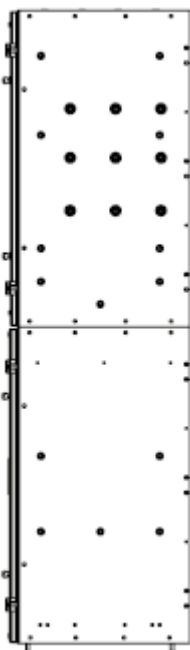
### Environmental

Operating Temperature	-32° to 104° F (0 to 40° C)
Humidity Rating	95% relative humidity (non-condensing)

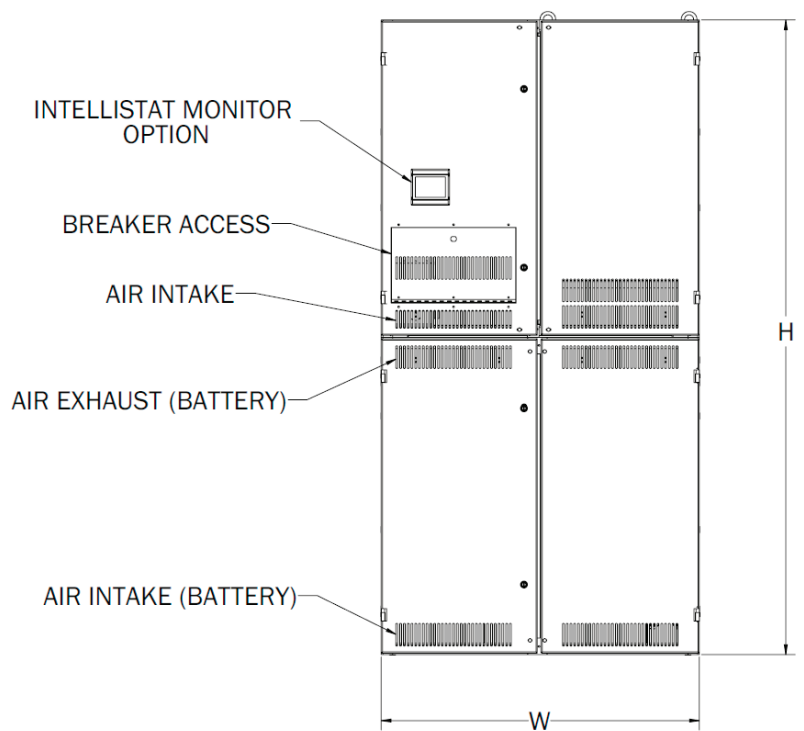
## DIMENSIONAL DRAWING

SIZE	Height (H)	Width (W)	Depth (D)
(5.3kW)	84"	26"	24"
(7.5W-10kW)	84"	43"	24"
(12.5kW-18kW)	84"	69"	24"

Side View



Front View



Top View

