

# ISI-LNFT Series

Outdoor-Rated  
Emergency Lighting Inverter System



**Inverter Systems, Inc.**

WWW.INVERTERSYSTEMSINC.COM

## SINGLE PHASE SYSTEMS 875VA/W to 1750VA/W Uninterruptible Power System



UL 924 Listed  
Self-Testing  
Self-Diagnostic



Build America  
Buy America  
Act Compliant



Buy  
American Act  
Compliant

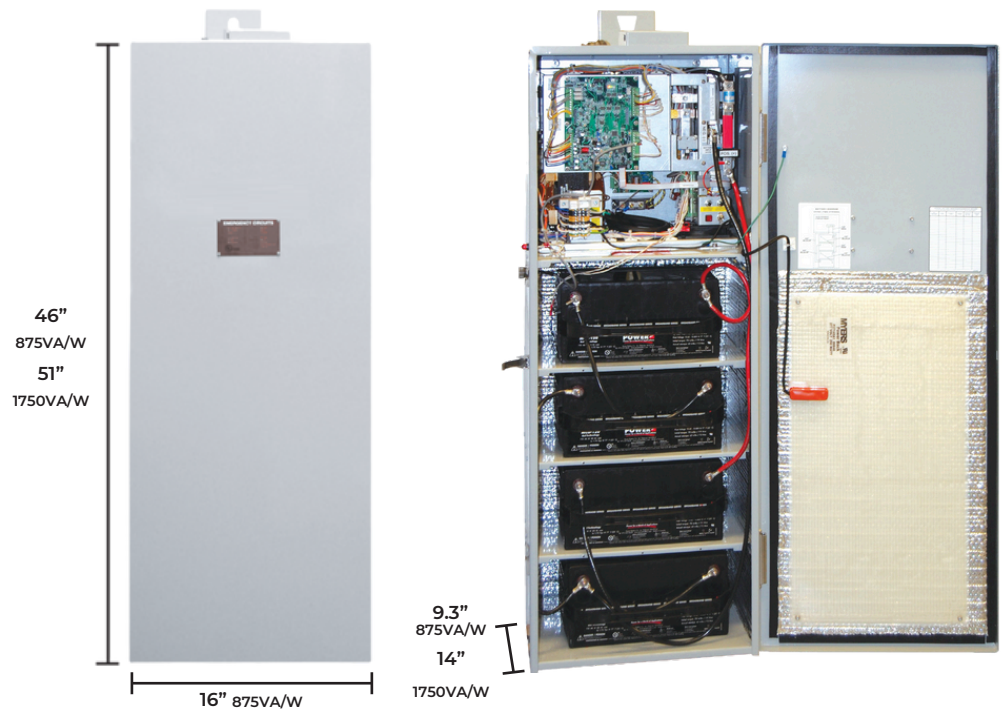


Trade  
Agreements  
Act Compliant

The ISI LNFT Inverter Series is a single-phase emergency lighting inverter rated for outdoor use.

The inverter transfers to emergency mode within two milliseconds when utility power is lost, enabling the system to support all types of lighting loads, including HID.

Available in two sizes, the SR can be mounted to a pole or on the ground.



### STANDARD FEATURES

- 98% Efficient (Typical)
- UL 924 Listed
- 65 KAIC Input Rating
- Pole Mount and Optional Pad Mount
- Compatible With All Lighting Loads Including HID / LED
- NEMA 3R Rated Enclosure
- No Break 2ms Transfer Time
- 90 Minute Run Time
- Input Circuit Breaker
- Control Panel For Self-Testing And Diagnostics (Optional)

### OPTIONAL FEATURES

- Remote Keypad / Display Panel for Self-Testing & Diagnostics
- Heater for Enhanced Performance at Cold Temperatures

### SPECIFICATIONS

- Input 120, 208, 240, 277, or 480 VAC 1-Phase 2-Wire
- Input Voltage Harmonic Distortion < 10%
- Output 120 Or 277 VAC 1-Phase 2-Wire
- Output Voltage Harmonic Distortion < 3%
- Output Load Power Factor .5 Lag To .5 Lead
- Compatible With All LED Drivers
- Standard Operating Temperature 32° To 122°F (0° To 50°C)
- Optional Emergency Load Enable
- Optional Operating Temperature to -4°F (-20°C)
- Compatible With Generators
- Status Lights: Normal, Battery Backup, and Fault
- Line Interactive PWM Inverter Utilizing MOSFET Technology
- Forced Air Cooling and Temperature Controlled Fan
- Optional Heater for Enhanced Performance at Cold Temperatures

ORDERING GUIDE

EXAMPLE MODEL # ISI-LNFT-875-120-120-SB-F

ISI-LNFT

CAPACITY

875  
1750

VOLTAGE  
INPUT & OUTPUT

120 - 120  
208 - 120  
277 - 120  
277 - 277  
Other Voltage<sup>1</sup>

BATTERY  
TYPE

SB - Standard 10 Yr  
Warranty Battery

OPTIONS

F - Floor Mount Base  
H - Heater  
M - Remote Keypad / Display Panel\*  
E(XXX) - Emergency Load Enable  
(Fill in xx with voltage:  
120, 208, 240, 277, 480)

WARRANTY & ONSITE SERVICES<sup>7</sup>

(BLANK) - 1 Year Standard Warranty  
5YPM/1 - 5 Year Prevent Maintenance Plan  
(Annual Maintenance Schedule)  
SUS - Start-Up Service & Same Day Training  
(Increases Standard 1 year Electronics  
Warranty to 2 years)  
TR - TR (if Required on Day Other Than  
Start Up)

= Required feature for part number.

= Optional feature. Not required for part number.

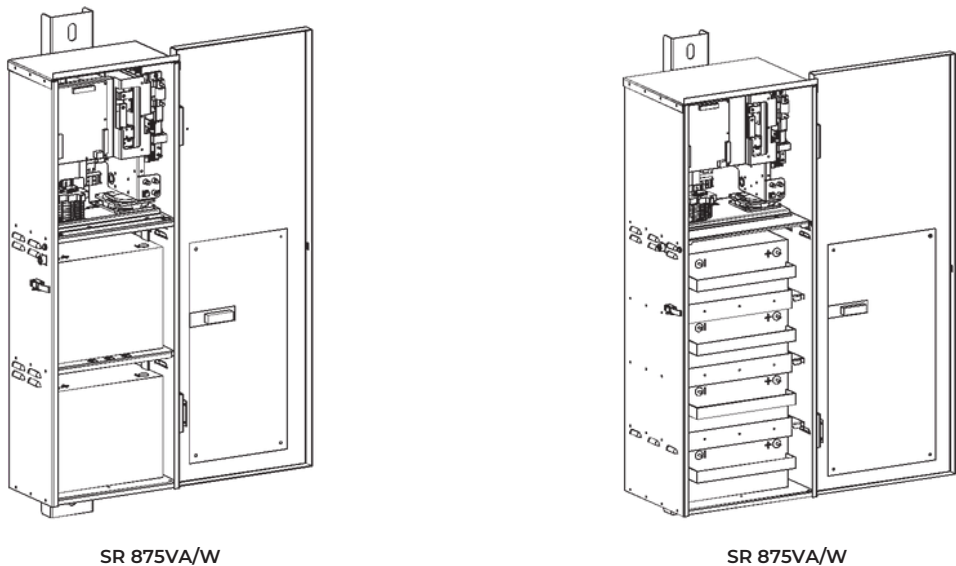
1. Only single phase voltages available. Other voltages may require UL testing, consult factory.

2. VA = W

3. One year electronics warranty is standard.

4. Used for system setup and status. One recommended per site. 12-foot cord provided.

5. Fill in applicable voltage. If voltage is not specified, voltage is assumed to match system input voltage. Option provides the ability to enable emergency output for typically unoccupied venues only when emergency egress is required; i.e. outdoor stadiums.



| DIMENSIONS               |                                      |                             |                     |                     |                    |                      |                                    |                     |               |                |                 |                   |
|--------------------------|--------------------------------------|-----------------------------|---------------------|---------------------|--------------------|----------------------|------------------------------------|---------------------|---------------|----------------|-----------------|-------------------|
| Electronics Module       |                                      |                             |                     |                     |                    |                      | Batteries 90 Minutes @ Full Load   |                     |               |                | Total System    |                   |
| Power Rating<br>(VA / W) | Efficiency at Full Load<br>(Typical) | Audible Noise<br>(dBA @ 1m) | Cabinet Dimensions  |                     |                    |                      | Total Battery Weight<br>(lbs / kg) | Number of Batteries | Voltage (VDC) | Current (Amps) | Run Time (Mins) | Weight (lbs / kg) |
|                          |                                      |                             | Wid th<br>(in / cm) | Height<br>(in / cm) | Depth<br>(in / cm) | Weight<br>(lbs / kg) |                                    |                     |               |                |                 |                   |
| 875                      | 98                                   | 45                          | 16.0 / 40.6         | 46.1 / 117.1        | 9.3 / 23.6         | 232 / 105            | 158 / 72                           | 2                   | 24            | 44             | 90              | 390 / 177         |
| 1750                     | 98                                   | 45                          | 19.0 / 48.3         | 50.75 / 128.9       | 14.375 / 36.5      | 280 / 127            | 316 / 144                          | 4                   | 24            | 88             | 90              | 596 / 271         |