

# ISI-3NFT Series

Outdoor-Rated

Emergency Lighting Inverter System



**Inverter Systems, Inc.**

WWW.INVERTERSYSTEMSINC.COM

## THREE PHASE SYSTEMS 4kVA/kW to 10kVA/kW

Designed with Industry Leading  
Compact Footprint

The ISI-3NFT Series inverter is an outdoor-rated cabinet facilitates installation in remote locations and where space is not available indoors.

Based upon more than 30 years of engineering and manufacturing expertise, the ISI-3NFT Series combines all of the features that deliver reliability, versatility and ease of operation & maintenance with the latest technology to create an industry-leading solution.



UL 924 Listed  
Self-Testing  
Self-Diagnostic



2 millisecond  
Transfer Time



IEEE/ANSI  
C62.45-45  
Lighting  
Protection



Build America  
Buy America  
Act Compliant



Buy  
American Act  
Compliant



Trade  
Agreements  
Act Compliant



### STANDARD FEATURES

- UL 924 Listed for Operating Temperatures 10° to 40°C (50° to 104°F)
- NEMA 3R Enclosure with Extra Variable Speed Temperature Controlled Fans for Forced Air Cooling
- White, Exterior Grade, Baked Powder Coat Painted Steel Enclosure
- Maintenance Bypass (Internal) - Make Before Break
- Summary Dry Form C Contacts
- Seismic Bracing
- CORBIN - Corbin CAT60 Locks; 3-Point Lock
- Conformal Coat all Printed Circuit Boards

### OPTIONAL FEATURES

- Enhanced Communications
  - Expanded Building Management Protocols
  - BACnet or Modbus Communications Interface
  - NEW IoT Connect Cloud Software
- Remote NEMA 1 Panels
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup & Training
- Normally Off Output
- Output Trip Alarms
- Stainless Steel Cabinet
- Microprocessor-Controlled Convection Heater

### SPECIFICATIONS

- Output Load Power Factor 0.5 Lag to 0.5 Lead
- Output Distortion Less Than 3% THD for Linear Loads
- Generator Compatibility
- 90 Minute Runtime Standard
- Compatible with Electronic and Magnetic Ballast and LED Drivers
- Custom Voltages Available
- Output Load Power Factor 0.5 Lead to 0.5 Lag
- Temperature Controlled Forced Air Cooling, No Filters Required

# ISI-3NFT SERIES

Outdoor-Rated Emergency Lighting Inverter  
Single Phase Systems 3kVA/kW to 8kVA/kW

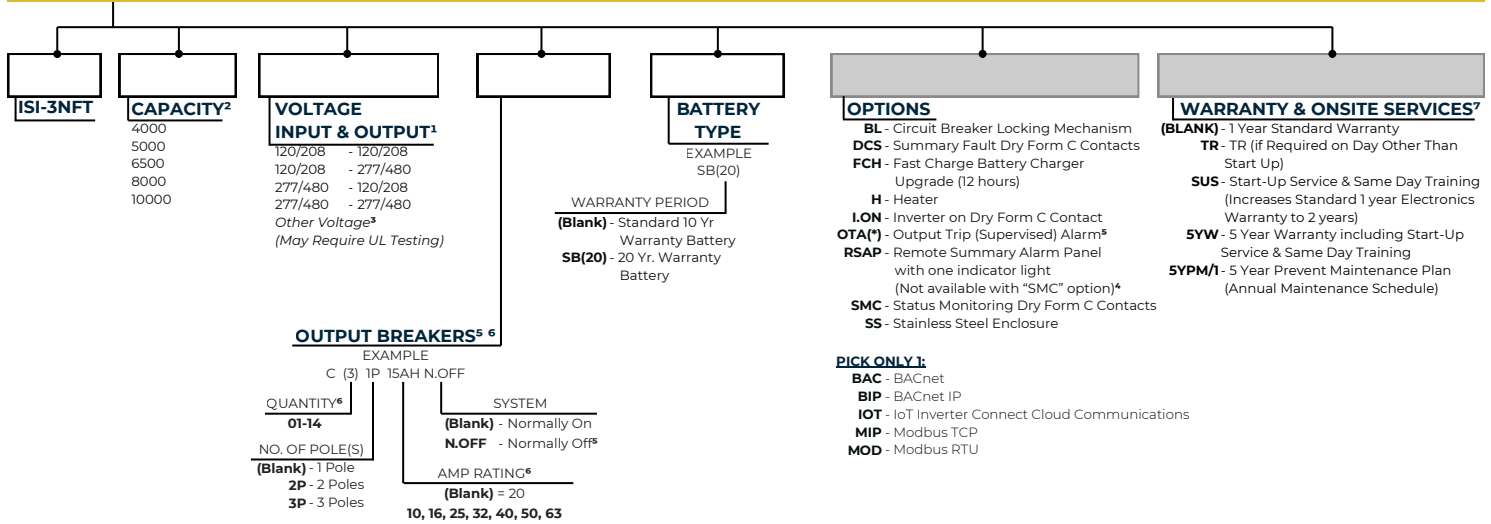


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## ORDERING GUIDE

EXAMPLE MODEL # ISI-3NFT-120/208-120/208-C(1)3P-SB-SUS



[ ] = Required feature for part number.

[ ] = Optional feature. Not required for part number.

- Only single phase voltages available.
- VA = W
- May require external NEMA 3R Transformer Cabinet. Consult factory.
- NEMA 1 enclosure
- Normally off load systems cannot exceed 20% of total kVA rating with any combination of HID loads.
- Maximum output breakers available: 14 unsupervised (1-pole), 8 supervised (1-pole). A 2-pole breakers occupies 2 positions, and a 3-pole breaker occupies 3 positions. Breakers provided are 20 Amps unless specified otherwise. List all breaker requirements separately -- ex: "C(2)1P-C(1)3P"
- One-year warranty is standard.

## DIMENSIONS

| Electronics Module   |                       |                                   |                          |                 |                    |                  |                 |              | Batteries 90 Minutes @ Full Load |                     |               |                |                 | Total System               |              |
|----------------------|-----------------------|-----------------------------------|--------------------------|-----------------|--------------------|------------------|-----------------|--------------|----------------------------------|---------------------|---------------|----------------|-----------------|----------------------------|--------------|
| Partial Model Number | Power Rating (VA / W) | Efficiency at Full Load (Typical) | Audible Noise (dBA @ 1m) | Heat Loss (BTU) | Cabinet Dimensions |                  |                 |              | Total Battery Weight (lbs)       | Number of Batteries | Voltage (VDC) | Current (Amps) | Run Time (Mins) | Dimensions W8 X H X D (in) | Weight (lbs) |
|                      |                       |                                   |                          |                 | Width (in / cm)    | Height (in / cm) | Depth (in / cm) | Weight (lbs) |                                  |                     |               |                |                 |                            |              |
| ISI-3NFT             | 4000                  | 98                                | 45                       | 326             | 54 / 137           | 76 / 193         | 30 / 76         | 995          | 888                              | 12                  | 144           | 31             | 90              | 54 x 76 x 30               | 1883         |
| ISI-3NFT             | 5000                  | 98                                | 45                       | 408             | 54 / 137           | 76 / 193         | 30 / 76         | 995          | 1110                             | 15                  | 180           | 31             | 90              | 54 x 76 x 30               | 2105         |
| ISI-3NFT             | 6500                  | 98                                | 45                       | 544             | 54 / 137           | 76 / 193         | 30 / 76         | 995          | 1480                             | 20                  | 240           | 31             | 90              | 54 x 76 x 30               | 2475         |
| ISI-3NFT             | 8000                  | 98                                | 45                       | 680             | 54 / 137           | 76 / 193         | 30 / 76         | 1099         | 1776                             | 24                  | 144           | 65             | 90              | 54 x 76 x 30               | 2875         |
| ISI-3NFT             | 10000                 | 98                                | 45                       | 680             | 54 / 137           | 76 / 193         | 30 / 76         | 1099         | 1776                             | 24                  | 144           | 81             | 90              | 54 x 76 x 30               | 2875         |