

# 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

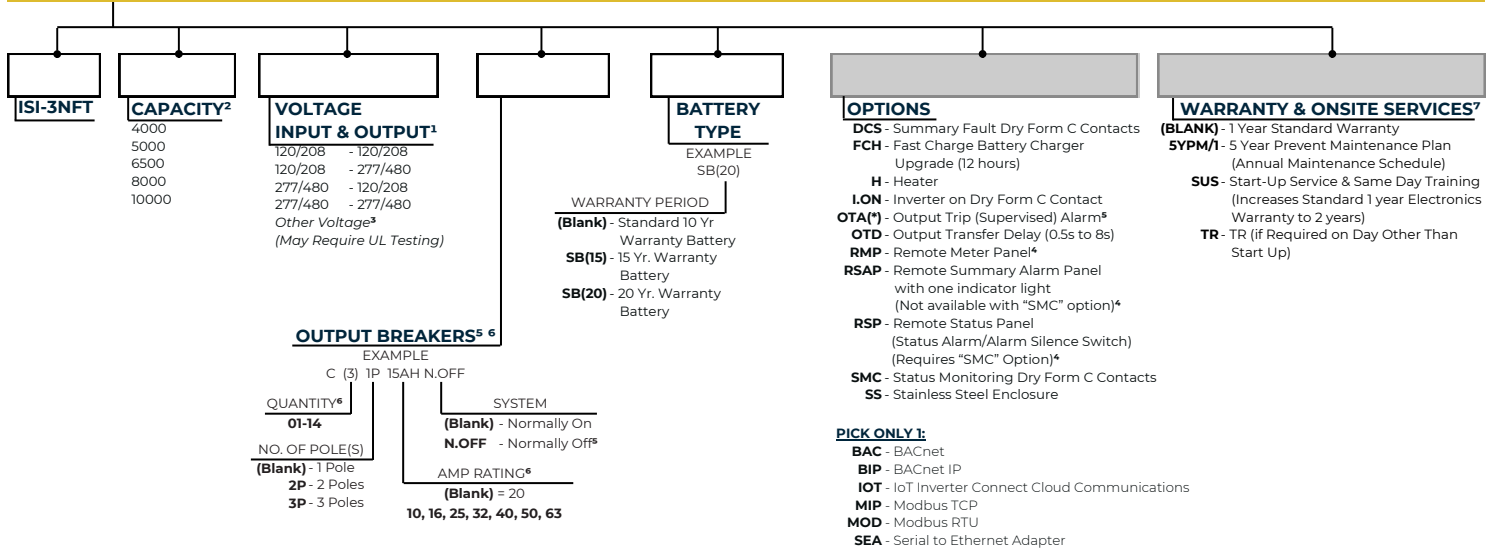


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## ORDERING GUIDE

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.

### ACCESSORIES

**XMBYP** - External Maintenance Bypass Switch with Key Locked Enclosure<sup>A</sup>

**SPARES** - Spare Fuses & Circuit Boards

**SPAREF** - Spare Fuses

A) With External Maintenance Bypass Switch, only main output breaker is available.

1. Only single phase voltages available.
2. VA = W
3. May require external NEMA 3R Transformer Cabinet. Consult factory.
4. NEMA 1 enclosure
5. Normally off load systems cannot exceed 20% of total kVA rating with any combination of HID loads.
6. 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"
7. 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