# **ISI-3NFT Series**

**Outdoor-Rated Emergency Lighting Inverter System** 



# 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 industryleading solution.













Self-Diagnostic

2 millisecond

Lighting

Ruild America Act Compliant

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

48" 55" including standard mounting brackets (not shown)

- 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



#### ORDERING GUIDE EXAMPLE MODEL # ISI-3NFT-120/208-120/208-C(1)3P-SB-SUS CAPACITY ISI-3NFT VOLTAGE **RATTEDY** OPTIONS WARRANTY & ONSITE SERVICES7 (BLANK) - 1 Year Standard Warranty DCS - Summary Fault Dry Form C Contacts INPUT & OUTPUT<sup>1</sup> TYPE FCH - Fast Charge Battery Charger Upgrade (12 hours) **5YPM/1** - 5 Year Prevent Maintenance Plan (Annual Maintenance Schedule) 5000 EXAMPLE 120/208 277/480 SB(20) **SUS**- Start-Up Service & Same Day Training (Increases Standard 1 year Electronics 8000 **H** - Heater 277/480 - 120/208 10000 I.ON - Inverter on Dry Form C Contact WARRANTY PERIOD 277/480 OTA(\*) - Output Trip (Supervised) Alarm<sup>5</sup> Warranty to 2 years) Other Voltage<sup>3</sup> (May Require UL Testing) (Blank) - Standard 10 Yr TR - TR (if Required on Day Other Than OTD - Output Transfer Delay (0.5s to 8s) Warranty Battery RMP - Remote Meter Panel<sup>4</sup> RSAP - Remote Summary Alarm Panel SB(15) - 15 Yr. Warranty Battery with one indicator light (Not available with "SMC" option) **SB(20)** - 20 Yr. Warranty Battery RSP - Remote Status Panel OUTPUT BREAKERS<sup>5</sup> (Status Alarm/Alarm Silence Switch) **EXAMPLE** (Requires "SMC" Option)4 **SMC** - Status Monitoring Dry Form C Contacts **SS** - Stainless Steel Enclosure QUANTITY<sup>6</sup> SYSTEM (Blank) - Normally On PICK ONLY 1: N.OFF - Normally Off<sup>5</sup> NO. OF POLE(S) BAC - BACnet BIP - BACnet IP (Blank) - 1 Pole AMP RATING<sup>6</sup> **2P** - 2 Poles IOT - IoT Inverter Connect Cloud Communications (Blank) = 20 3P - 3 Poles MIP - Modbus TCP 10, 16, 25, 32, 40, 50, 63 MOD - Modbus RTU SEA - Serial to Ethernet Adapter

ACCESSORIES

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

= Optional feature. Not required for part number

Required feature for part number.

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
- 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)		Audible Noise (dBA @ 1m)	Heat Loss (BTU)	Cabinet Dimensions				Total Battery	Number	Voltage			Dimensions	Weight
					Wid th (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs)	Weight (lbs)	of Batteries	(VDC)	(Amps)	Run Time (Mins)	W8 X H X D (in)	(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