## **ISI-3NFT Series**

**Outdoor-Rated Emergency Lighting Inverter System** 



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

**Designed with Industry Leading Compact Footprint** 

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-













Self-Diagnostic

2 millisecond

Lighting

**Act Compliant** 

Compliant

The ISI-3NFT Series inverter is an

leading solution.





### **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
- · 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



#### ORDERING GUIDE EXAMPLE MODEL # ISI-3NFT-120/208-120/208-C(1)3P-SB-SUS CAPACITY<sup>2</sup> ISI-3NFT VOLTAGE BATTERY OPTIONS WARRANTY & ONSITE SERVICES7 BL - Circuit Breaker Locking Mechanism (BLANK) - 1 Year Standard Warranty INPUT & OUTPUT<sup>1</sup> **TYPE DCS** - Summary Fault Dry Form C Contacts **FCH** - Fast Charge Battery Charger TR - TR (if Required on Day Other Than 5000 FXAMPI F Start Up) 120/208 277/480 SB(20) 8000 Upgrade (12 hours) **SUS** - Start-Up Service & Same Day Training 277/480 - 120/208 H - Heater (Increases Standard 1 year Electronics 10000 WARRANTY PERIOD I.ON - Inverter on Dry Form C Contact 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 5YW - 5 Year Warranty including Start-Up Warranty Battery RSAP - Remote Summary Alarm Panel Service & Same Day Training 5YPM/1-5 Year Prevent Maintenance Plan SB(20) - 20 Yr. Warranty with one indicator light Battery (Not available with "SMC" option)<sup>4</sup> SMC - Status Monitoring Dry Form C Contacts (Annual Maintenance Schedule) SS - Stainless Steel Enclosure **OUTPUT BREAKERS<sup>5</sup>** PICK ONLY 1: BAC - BACnet BIP - BACnet IP QUANTITY<sup>6</sup> SYSTEM IOT - IoT Inverter Connect Cloud Communications (Blank) - Normally On MIP - Modbus TCP N.OFF - Normally Off<sup>5</sup> NO. OF POLE(S) MOD - Modbus RTU (Blank) - 1 Pole AMP RATING<sup>6</sup> 2P - 2 Poles (Blank) = 20 **3P** - 3 Poles 10, 16, 25, 32, 40, 50, 63

- 1. Only single phase voltages available.
- 2. VA = W
- 3. May require external NEMA 3R Transformer Cabinet. Consult factory.

Required feature for part number.

Optional feature. Not required for part number

- 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)IP-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	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