ISI-NFT Series

Outdoor-Rated Emergency Lighting Inverter System



SINGLE PHASE SYSTEMS 3kVA/kW to 8kVA/kW

Designed with Industry Leading Compact Footprint

The ISI-NFT 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-NFT 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

C62.45-45
Lighting
Protection

Build America Buy America Act Compliant

Buy American Act Compliant

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

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-NFT SERIES

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



ORDERING GUIDE EXAMPLE MODEL # ISI-NFT-120-277-C(1)2P-SB-2YW CAPACITY² ISI-NFT VOLTAGE BATTERY OPTIONS WARRANTY & ONSITE SERVICES? FCH - Fast Charge Battery Charger (BLANK) - 1 Year Standard Warranty INPUT & OUTPUT¹ TYPE 4000 Upgrade (12 hours) 5YPM/1 - 5 Year Prevent Maintenance Plan 120 - 120 EXAMPLE (Annual Maintenance Schedule) 5000 H - Heater 120 - 120/277 SB(20) I.ON - Inverter on Dry Form C Contact OTA(*) - Output Trip (Supervised) Alarm⁵ **SUS**- Start-Up Service & Same Day Training (Increases Standard 1 year Electronics 6500 208 - 120 8000 WARRANTY PERIOD 240 - 120 OTD - Output Transfer Delay (0.5s to 8s) Warranty to 2 years) (Blank) - Standard 10 Yr 277 - 120 RMP - Remote Meter Panel TR - TR (if Required on Day Other Than 277 - 277 Warranty Battery RSAP - Remote Summary Alarm Panel with one indicator light 277 - 277/120 SB(15) - 15 Yr. Warranty Other Voltage³ Battery (Not available with "SMC" option)4 **SB(20)** - 20 Yr. Warranty (May Require UL Testing) Battery RSP - Remote Status Panel (Status Alarm/Alarm Silence Switch) (Requires "SMC" Option)⁴ SMC - Status Monitoring Dry From C Contacts OUTPUT BREAKERS⁵ 6 SS - Stainless Steel Enclosure TD - Time Delay 15 Minutes QUANTITY⁶ SYSTEM PICK ONLY 1: 01-14 (Blank) - Normally On BAC - BACnet N.OFF - Normally Offs . OF POLE(S) BIP - BACnet IP (Blank) - 1 Dole IOT - IoT Inverter Connect Cloud Communications AMP RATING6 **2P** - 2 Poles MIP - Modbus TCP (Blank) = 20

MOD - Modbus RTU

SEA - Serial to Ethernet Adapter

Required feature for part number

= Optional feature. Not required for part number

ACCESSORIES

XMBYP - External Maintenance Bypass Switch with Key Locked Enclosure^A

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
- 3. May require external NEMA 3R Transformer Cabinet. Consult factory
- 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. Breakers provided are 20 Amps unless specified otherwise

10, 16, 25, 32, 40, 50, 63

- List all breaker requirements separately -- ex: "C(2)1P-C(1)2P"
- 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)	Loss	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-NFT	3000	98	45	255	54 /137	76 / 193	30 / 76	805	740	10	120	31	90	54 x 76 x 30	1545
ISI-NFT	4000	98	45	340	54 /137	76 / 193	30 / 76	805	888	12	144	31	90	54 x 76 x 30	1693
ISI-NFT	5000	98	45	408	54 /137	76 / 193	30 / 76	805	1110	15	180	31	90	54 x 76 x 30	1915
ISI-NFT	6500	98	45	544	54 /137	76 / 193	30 / 76	805	1480	20	240	31	90	54 x 76 x 30	2285
ISI-NFT	8000	98	45	680	54 /137	76 / 193	30 / 76	805	1776	24	144	65	90	54 x 76 x 30	2581