



ISI-UFT Model Capacity VA	# of Phases	Efficiency @ full load	Audible Noise	Heat Loss BTU's	Inverter Cabinet Dimensions (inches)			Number of Batteries	Number of Cabinets	Total system shipping weight
					W	H	D			
ISI-NFT-3000	1	98%	45	255	48	76	30	10	1	1545 lbs.
ISI-NFT-4000	1	98%	45	340	48	76	30	12	1	1693
ISI-NFT-5000	1	98%	45	408	48	76	30	15	1	1915
ISI-NFT-6500	1	98%	45	544	48	76	30	20	1	2285
ISI-NFT-8000	1	98%	45	680	48	76	30	24	1	2581
ISI-3NFT-4000	3	98%	45	326	48	76	30	12	1	1883
ISI-3NFT-5000	3	98%	45	408	48	76	30	15	1	2105
ISI-3NFT-6500	3	98%	45	544	48	76	30	20	1	2475
ISI-3NFT-8000	3	98%	45	680	48	76	30	24	1	2771

## SPECIFICATIONS:

- The emergency lighting inverter system shall be a stand-by no-break system suitable for sustaining and operating H.I.D., fluorescent and incandescent lamps in the event of a power outage for a minimum 90 minutes duration at the rated load and be listed and labeled to U.L. 924.
- The entire system shall be of a modular construction with removable electronic modules for ease of installation and maintenance. Cabinets shall be constructed of code gauge steel with removable key locked hinged doors finished in an acid resistant enamel with a modified vinyl undercoat.
- The inverter shall be a standby UPS. PWM inverter type utilizing IGBT technology with 2ms transfer time.
- The system shall reliably handle from .5 leading to .5 lagging power factor. The output voltage regulation shall be  $\pm 3\%$  or better from 0% to 100% of rated load. The system's output shall be capable of 125% overload for 5 minutes. Harmonic distortion  $< 10\%$  total or 3% any single harmonic.
- The battery charger shall be an integrated two step system with temperature controlled 24 hour charge for 90 minute system. The charger shall fully recharge the batteries within the requirements of U.L. 924 specifications.
- The systems batteries shall be of the sealed maintenance free lead acid type.
- Options: Refer to Option Selection Chart for descriptions and nomenclature. Popular options are: Start-up Service, Output Circuit Breakers, Remote Meter Panel, Output Trip Alarms
- The system shall be an Inverter Systems model No. \_\_\_\_\_ as manufactured for and warranted by Inverter Systems, Inc. (for copy of detailed specification format - consult factory)

### NFT

- The AC input voltage shall be (120 or 277V single phase two wire plus ground).
- The output voltage shall be (120 or 277V single phase two wire plus ground). The output frequency shall be 60HZ  $\pm 0.05$ HZ for all loads.



### 3NFT

- The AC input voltage shall be (120/208V or 277/480V three phase four wire plus ground).
- The output voltage shall be (120/208V or 277/480V three phase four wire plus ground). The output frequency shall be 60HZ  $\pm 0.05$ HZ for all loads.

## ORDERING GUIDE:

When ordering an ISI-MINI from Inverter Systems, Inc., use:

1. <b>Model Series</b>	ISI-NFT	ISI-3NFT
2. <b>Volt Amp (VA) Rating</b> Select required capacity in volt	3K to 8K	4K to 8K
3. <b>Input Voltage</b> 120 Volt 277 Volt Other Voltages	120 277 ( )	120/208 277/480 ( )
4. <b>AC Output Voltage</b> 120 Volt 277 Volt Other Voltages	120 277 ( )	120/208 277/480 ( )
5. <b>Output Circuit Breakers</b> Specify number of output circuit breakers (Maximum 14 per system)	C( )	C( )
6. <b>Battery Type**</b> Maintenance free sealed lead acid Long life sealed lead acid	SB SB(20)	SB SB(20)
7. <b>Options</b> Start-Up Service Summary Dry Contacts (Form "C") Output Circuit Breaker Trip Alarm Remote Meter Panel Battery Charger Upgrade (12 Hour)	SUS DCS OTA( ) RMP FCH	SUS DCS OTA( ) RMP FCH

\*Due to space limitations, the 6.5 & 8kva units have a minimum amount of internal area available for optional transformers. Contact factory for details.

\*\*Battery life expectancy is compromised when placed in extreme temperatures.

## WARRANTY:

### Electronics Assembly

Inverter Systems, Inc. warrants the ISI-NFT electronics assembly (except batteries) against defects in material and workmanship for a period of one year from date of shipment. Inverter Systems, Inc. will either repair or replace any properly installed ISI-NFT system which fails under normal operating conditions provided that it is returned to the factory, transportation prepaid, and our inspection determines it to be defective under the terms of this warranty.

The warranty covers only equipment other than batteries manufactured by Inverter Systems, Inc. and does not extend to transportation, installation or replacement charges, nor does it apply to any other equipment of another manufacturer used in conjunction with ISI equipment. No other warranty expressed or implied exists beyond that included in this statement.

\*TWO YEAR WARRANTY WHEN START-UP SERVICE IS PURCHASED

### Battery Warranty

Sealed lead calcium batteries carry a 1 year full, 4 year pro-rated limited warranty. Long life batteries carry a 1 year full, 9 year pro-rated limited warranty.

Important note: Battery warranty is limited to certain environmental, operational and installation limitations (refer to detailed Battery Warranty Terms and Conditions).