

ISI-UFT4 Series

Emergency Lighting Inverter System



Inverter Systems, Inc.

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SINGLE PHASE SYSTEMS 1.5kVA/kW to 16.7kVA/kW For All Lighting & Motor Loads



UL 924 Listed
Self-Testing
Self-Diagnostic



2 millisecond
Transfer Time



IEEE/ANSI
C62.45-45
Lighting
Protection



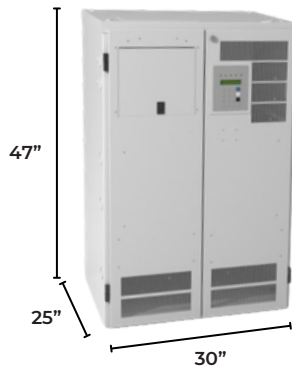
BABA
Build America
Buy America
Act Compliant



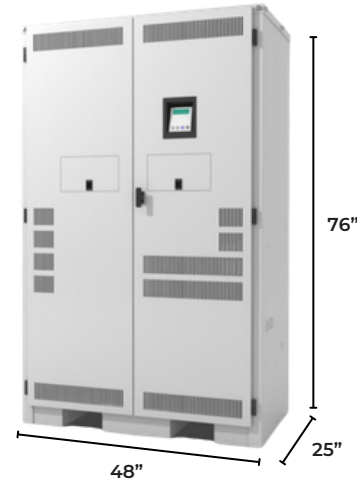
BAA
Buy
American Act
Compliant



TAA
Trade
Agreements
Act Compliant



Models 1.5kVA to 5.0kVA



Models 6.0kVA to 16.7kVA

STANDARD FEATURES

- 98% Efficient Typical
- Automatic Event, Test, and Alarm Log
- User Programmable With Password Protection
- Input Circuit Breaker
- RS232 Communications Port
- Space-Saving Design
- No Break 2ms Transfer Time
- NFPA 101 Self Testing and Data Logging
- Code Compliant : 90 Min. Runtime
- 65 KAIC Input Rating
- NEMA Type 1 Cabinet

OPTIONAL FEATURES

- Enhanced Communications
 - Expanded Building Management Protocols
 - BACnet or Modbus Communications Interface
 - NEW IoT Connect Cloud Software
- Internal or External Maintenance Bypass
- Summary Alarm
- Output Circuit Breakers
- Status Monitoring & Summary Form C Contacts
- Normally Off Output with Time Delay
- Output Trip Alarms
- Seismic
- Factory Startup & Training
- Extended Maintenance & Factory Warranty

SPECIFICATIONS

- Input Voltage: 120 or 277VAC | 1-Phase 2-Wire Plus Ground
- Output Voltage: 120 or 277VAC | 1-Phase 2-Wire Plus Ground
- Output Load Power Factor .5 Lag to .5 Lead
- Output Voltage Distortion Less Than 3% THD for Linear Loads
- Custom Voltage Available (Contact Factory)
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Compatible with all Non-HID lighting Including LED Drivers
- Generator Compatibility
- 90 Minute Runtime Standard; Extended Runtimes Available upon Request

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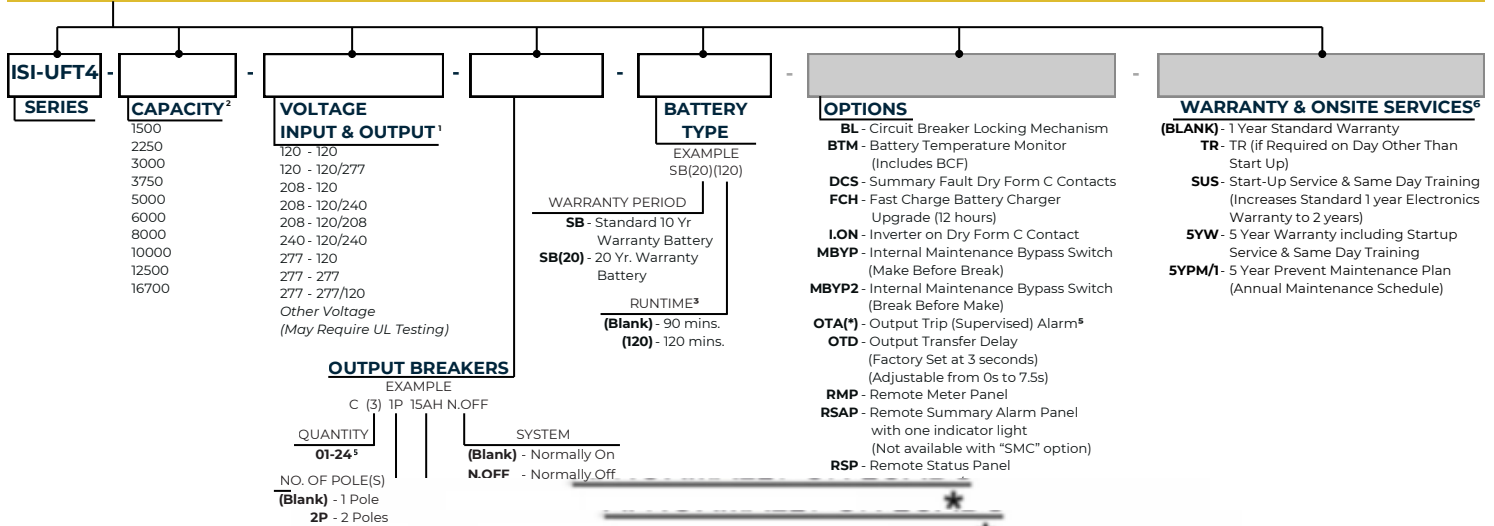


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ORDERING GUIDE

EXAMPLE MODEL # ISI-UFT4-277-277-C(1)-SB-SUS

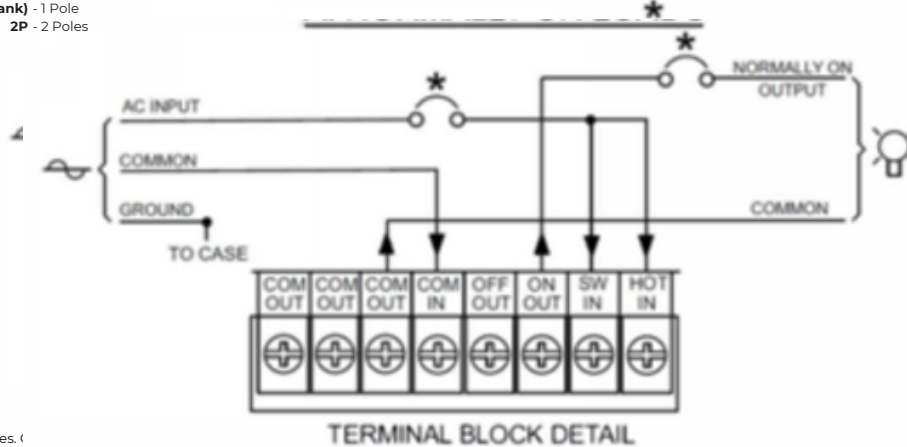


- = Required feature for part n
- = Optional feature. Not requi

ACCESSORIES

- DT - Drip Top (NEMA 2)
XMBYP - External Maintenance Bypass
SPARES - Spare Fuses & Circuit Boards
SPAREF - Spare Fuses

A) With External Maintenance Bypass Sv



1. Only single phase voltages available.
2. VA = W
3. Standard battery runtime is 90 minutes. (
4. Normally off loads cannot exceed 20% of total rating with any combination of the loads.
5. Maximum output breakers available: 12 unsupervised (1-pole), 8 supervised (1-pole) for 1.5kVA-5kVA; 24 unsupervised (1-pole), 18 supervised (1-pole) for 6kVA-16.7kVA; Breakers provided are 20 Amps unless specified otherwise. A 2-pole breaker occupies 2 positions. Additional output breakers available on 1.5kVA-5kVA units with optional top mount enclosure. Contact factory for details.
6. One year warranty is standard.
7. Time delay of normally off circuit will stay activated 15 minutes after return of utility.
8. Anchorage based on calculations. For systems requiring OSHPD/Withstand testing. Contact factory.
9. Seismic Mounting increases footprint from that noted above. Contact factory for detailed seismic mounting drawing.

DIMENSIONS

Alternate runtimes may affect cabinet size - contact factory.

Electronics Module									Batteries 90 Minutes @ Full Load				Total System Weight (lbs / kg)
Partial Model Number	Power Rating (KVA / W)	Efficiency (Typical Percent)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions*				90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Current (amps)	
					Wid th (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)					
ISI-UFT4	1500	98	45	102	30 / 77	47 / 119	25 / 64	215 / 98	296 / 135	4	48	39	511 / 230
ISI-UFT4	2250	98	45	153	30 / 77	47 / 119	25 / 64	230 / 105	444 / 200	6	72	38	679 / 306
ISI-UFT4	3000	98	45	204	30 / 77	47 / 119	25 / 64	235 / 107	592 / 266	8	96	38	827 / 372
ISI-UFT4	3750	98	45	255	30 / 77	47 / 119	25 / 64	240 / 109	740 / 330	10	120	37	980 / 441
ISI-UFT4	5000	98	45	340	30 / 77	47 / 119	25 / 64	280 / 128	888 / 400	12	144	40	1168 / 525
ISI-UFT4	6000	98	45	408	48 / 122	76 / 193	25 / 64	605 / 272	1110 / 500	15	180	40	1715 / 772
ISI-UFT4	8000	98	45	544	48 / 122	76 / 193	25 / 64	640 / 288	1480 / 666	20	240	39	2120 / 954
ISI-UFT4	10000	98	45	680	48 / 122	76 / 193	25 / 64	785 / 353	1776 / 800	24	144	82	2561 / 1153
ISI-UFT4	12500	98	45	860	48 / 122	76 / 193	25 / 64	805 / 362	2220 / 999	30	180	82	3025 / 1361
ISI-UFT4	16700	98	45	1135	48 / 122	76 / 193	25 / 64	885 / 398	2960 / 1332	40	240	80	3845 / 1730