

ISI-FTW2 Series

Emergency Lighting Inverter System



Inverter Systems, Inc.

WWW.INVERTERSYSTEMSINC.COM

SINGLE PHASE SYSTEMS 1.0kVA/kW to 2.8kVA/kW Designed with Industry Leading Compact Footprint



UL 924 Listed
Self-Testing
Self-Diagnostic



2 millisecond
Transfer Time



IEEE/ANSI
C62.45-45
Lighting
Protection



Build America
Buy America
Act Compliant

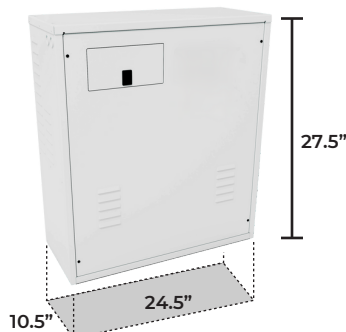


Buy
American Act
Compliant

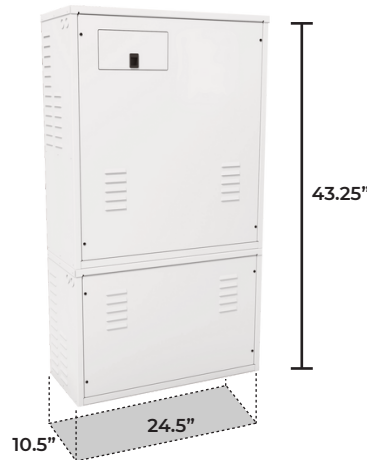


Trade
Agreements
Act Compliant

**SAME SIZE FOOTPRINT
FOR EACH MODEL
10.5" D x 24.25" W**



1000VA/W



1600VA/W & 2200VA/W



2800VA/W

STANDARD FEATURES

- 98% Efficient Typical
- Automatic Event, Test, and Alarm Log
- User Programmable With Password Protection
- Input Circuit Breaker
- One Output 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
- Wall Bracket, Floor Bracket, or 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
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Compatible with all All Lighting and Motor Loads
- Compatible with Generators (10x Inverter Size)
- Custom Voltage Available (Contact Factory)

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Systems 1.0kVA/kW to 2.8kVA/kW

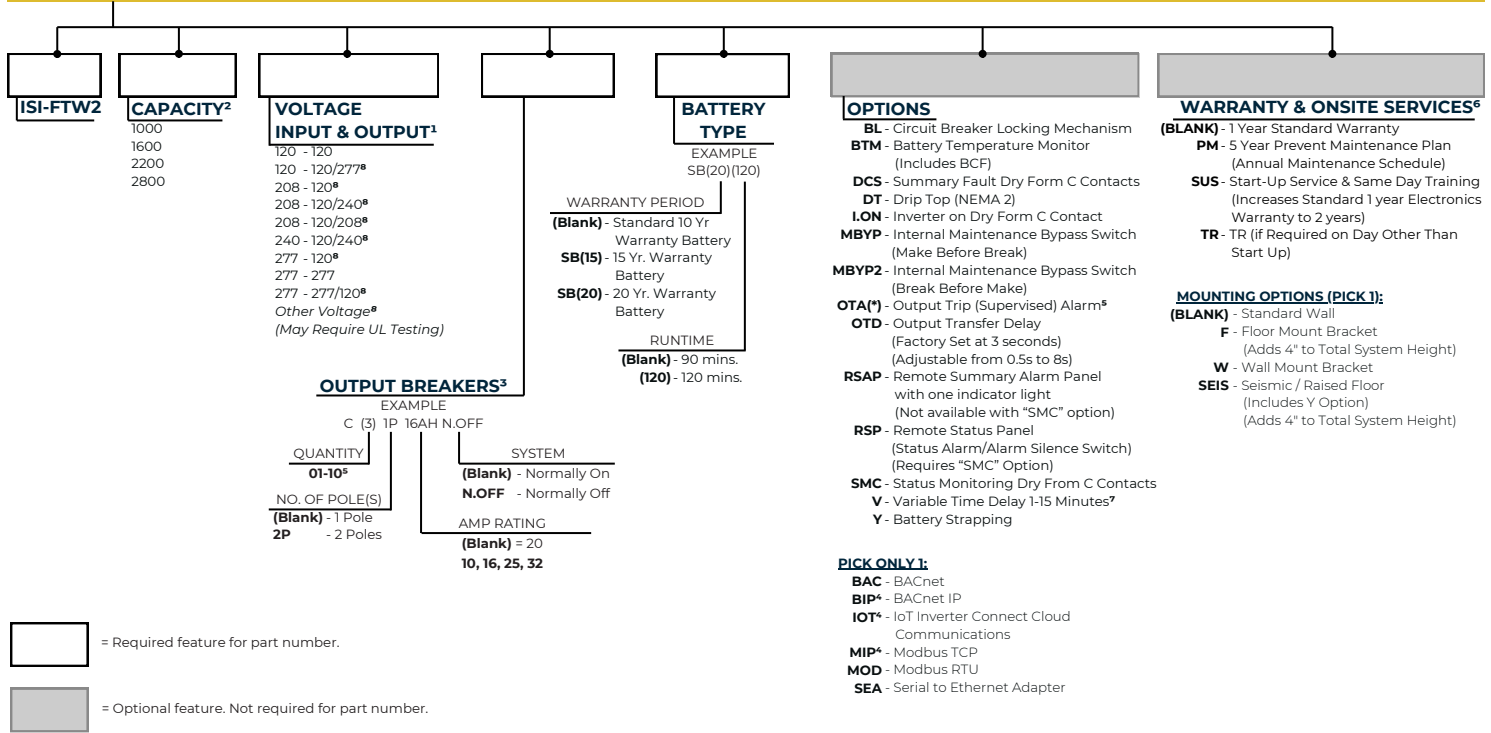


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ORDERING GUIDE

EXAMPLE MODEL # ISI-FTW2-120-120-C(4)-SB



ACCESSORIES

XMBYP - External Maintenance Bypass Switch^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.
2. VA = W
3. If no output circuit breakers are specified a single output breaker will be supplied with each unit and the current rating will vary based on the output power and voltage rating of the unit.
4. BIP/MIP/IOT: Options increase cabinet height by 8"
5. Maximum specified output breakers available: 10 unsupervised (1-pole), 6 supervised (1-pole). A 2-pole breaker occupies 2 positions.
6. One year warranty is standard.
7. Variable time delay of normally off circuit after return of utility up to 15 minutes.
8. For systems with voltages other than 120 in/out or 277 in/out system cabinet heights will vary. Contact factory

DIMENSIONS

Electronics Module									Batteries 90 Minutes @ Full Load				Total System Weight (lbs / kg)
Partial Model Number	Power Rating (VA / 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)					
ISI-FTW2	1000	98	45	70	24.25 / 61.6	27.5 / 69.9	10.5 / 26.67	121 / 55	160 / 73	4	48	26	281 / 128
ISI-FTW2	1600	98	45	110	24.25 / 61.6	43.25 / 109.86	10.5 / 26.67	165 / 75	240 / 109	6	72	27	405 / 184
ISI-FTW2	2200	98	45	150	24.25 / 61.6	43.25 / 109.86	10.5 / 26.67	174 / 79	320 / 146	8	96	27	494 / 225
ISI-FTW2	2800	98	45	190	24.25 / 61.6	55 / 139.7	10.5 / 26.67	203 / 92	400 / 182	10	120	27	603 / 274

*For systems with voltages other than 120 in/out or 277 in/out system cabinet heights will vary. Contact factory.