

ISI-IPS4 Series

Emergency Lighting Inverter System



Inverter Systems, Inc.

WWW.INVERTERSYSTEMSINC.COM

SINGLE PHASE INTERRUPTIBLE POWER SYSTEMS

1.5kVA/kW to 16.7kVA/kW

For LED & All Other Non-HID Lighting Loads



UL 924 Listed
Self-Testing
Self-Diagnostic



50 ms
Fast Transfer



IEEE/ANSI
C82.45-45
Lighting
Protection



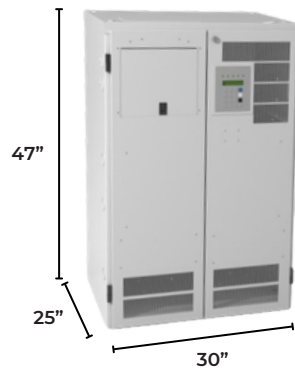
Build America
Buy America
Act Compliant



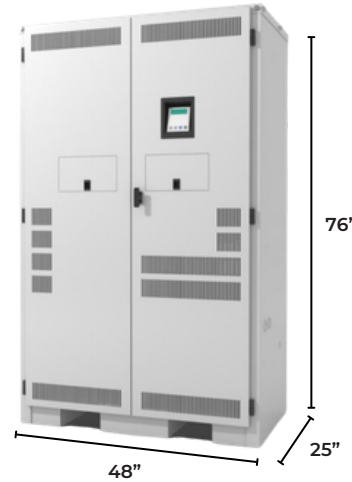
Buy
American Act
Compliant



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
- Normally On and Normally Off Output
- Input Circuit Breaker
- RS232 Communications Port
- Space-Saving Design
- 50ms 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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1.5kVA/kW to 16.7kVA/kW

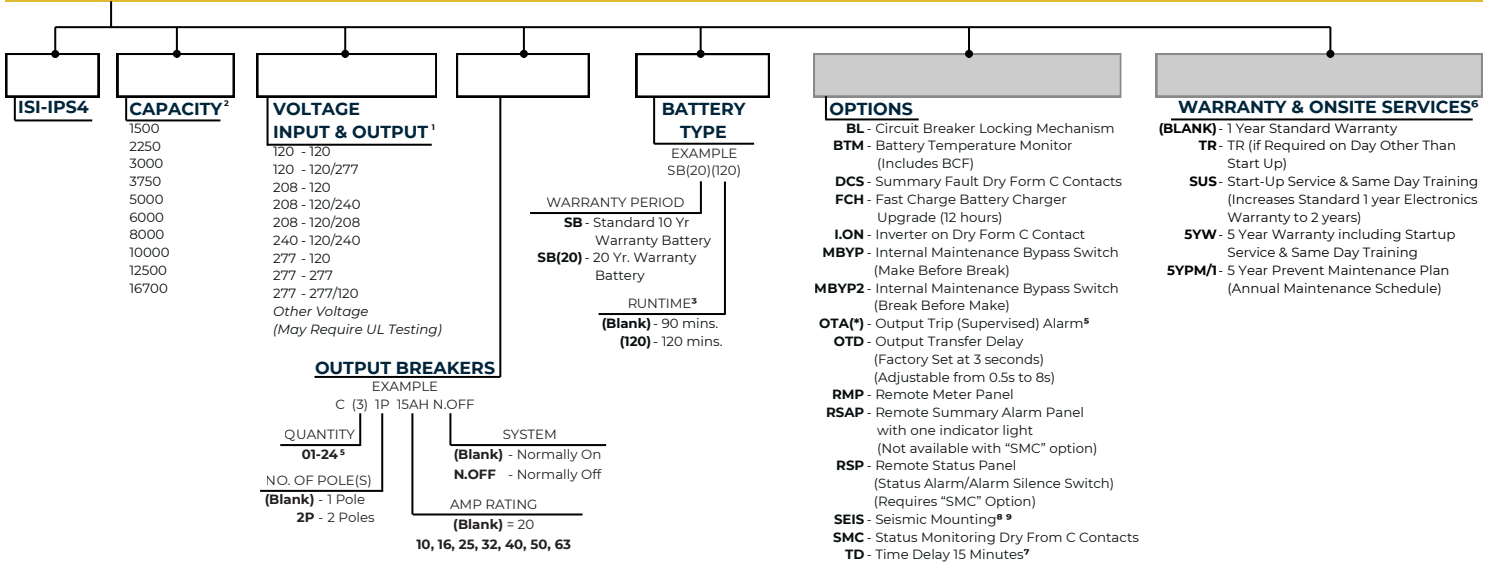


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ORDERING GUIDE

EXAMPLE MODEL # ISI-IPS4-277-277-C(1)-SB-SUS



- = Required feature for part number.
- = Optional feature. Not required for part number.

- PICK ONLY 1:**
- BAC - BACnet
 - BIP - BACnet IP
 - IOT - IoT Inverter Connect Cloud
Communications
 - MIP - Modbus TCP
 - MOD - Modbus RTU
 - SEA - Serial to Ethernet Adapter

- ACCESSORIES**
- DT - Drip Top (NEMA 2)
 - 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.

- Only single phase voltages available.
- VA = W
- Standard battery runtime is 90 minutes. Contact factory for other runtimes. 120-minute run time is not available for 16.7kVA systems.
- Normally off loads cannot exceed 20% of total kVA rating with any combination of HID loads.
- 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.
- One year warranty is standard.
- Time delay of normally off circuit will stay activated 15 minutes after return of utility.
- Anchorage based on calculations. For systems requiring OSHPD/Withstand testing, contact factory.
- 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					Cabinet Dimensions*				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)	Wid th (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)	90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Current (amps)	
													ISI-IPS4
ISI-IPS4	2250	98	45	153	30 / 77	47 / 119	25 / 64	230 / 105	444 / 200	6	72	38	679 / 306
ISI-IPS4	3000	98	45	204	30 / 77	47 / 119	25 / 64	235 / 107	592 / 266	8	96	38	827 / 372
ISI-IPS4	3750	98	45	255	30 / 77	47 / 119	25 / 64	240 / 109	740 / 330	10	120	37	980 / 441
ISI-IPS4	5000	98	45	340	30 / 77	47 / 119	25 / 64	280 / 128	888 / 400	12	144	40	1168 / 525
ISI-IPS4	6000	98	45	408	48 / 122	76 / 193	25 / 64	605 / 272	1110 / 500	15	180	40	1715 / 772
ISI-IPS4	8000	98	45	544	48 / 122	76 / 193	25 / 64	640 / 288	1480 / 666	20	240	39	2120 / 954
ISI-IPS4	10000	98	45	680	48 / 122	76 / 193	25 / 64	785 / 353	1776 / 800	24	144	82	2561 / 1153
ISI-IPS4	12500	98	45	860	48 / 122	76 / 193	25 / 64	805 / 362	2220 / 999	30	180	82	3025 / 1361
ISI-IPS4	16700	98	45	1135	48 / 122	76 / 193	25 / 64	885 / 398	2960 / 1332	40	240	80	3845 / 1730