Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

Models 1.5KVA to 5.0KVA

Models 6.0KVA to 16.7KVA

Sure-Lites

INV-I-S Series

Single Phase Inverter
1.5KVA/KW to 16.7KVA/KW

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

Interactive Menu

Product Certification

UL CERTIFIED

Top Product Features

- Single Phase Inverter
- 1.5 kVA/KW to 16.7 kVA/KW
- Interruptible
- For use with LED or any other lighting load (1)
- UL924 listed

(1) Cannot support HID loads

General Specifications

Electronics Module									Batteries 90 Minutes @ Full Load				
Model Number	Power Rating (KVA/KW)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions (90 minute run)				90 Minutes Batteries (lbs/kg)	No.of Batteries	Voltage (VDC)	Current (amps)	Total System Weight (lbs/kg)
					Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)					
INV-I-S-1	1.5	98	45	102	30/77	47/119	25/64	215/98	296/135	4	48	39	511/230
INV-I-S-2	2.25	98	45	153	30/77	47/119	25/64	230/105	444/200	6	72	38	697/306
INV-I-S-3	3.0	98	45	204	30/77	47/119	25/64	235/107	592/266	8	96	38	827/372
INV-I-S-4	3.75	98	45	255	30/77	47/119	25/64	240/109	740/330	10	120	37	980/441
INV-I-S-5	5.0	98	45	340	30/77	47/119	25/64	280/128	888/400	12	144	40	1168/525
INV-I-S-6	6.0	98	45	408	48/122	76/193	25/64	605/272	1110/500	15	180	40	1715/772
INV-I-S-7	8.0	98	45	544	48/122	76/193	25/64	640/288	1480/666	20	240	39	2120/954
INV-I-S-8	10.0	98	45	680	48/122	76/193	25/64	785/353	1776/800	24	144	82	2561/1153
INV-I-S-9	12.5	98	45	860	48/122	76/193	25/64	805/362	2220/999	30	180	82	3025/1361
INV-I-S-10	16.7	98	45	1135	48/122	76/193	25/64	885/398	2960/1332	40	240	80	3845/1730

For 120min sizing reach out to Surelite Tech support.

Order Information

SAMPLE ORDER NUMBER: **INV-I-S-1-A-S-BA2007-T-S-M-2YW**

Series	Interruptible	Phase	KVA/KW	Voltage Input/Output	Battery Type	Run Time	Output Breakers			
INV=Inverter	**I**=Interruptible	**S**=Single Phase	**1**=1.5 **2**=2.25 **3**=3.0 **4**=3.75 **5**=5.0 **6**=6.0 **8**=8.0 **10**=10.0 **12**=12.5 **16**=16.7	**A**=120 - 120 **B**=120 - 120/277 **C**=208 - 120 **D**=240 - 120/240 **E**=277 - 120 **F**=277 - 277 **G**=277 - 277/120 **H**=208 - 120/240	**S**=Standard (10 year) **G**=Long Life (20 year)	**[Blank]**=90 min **120**=120 min [2]	**Output** **B**=Normally On **N**=Normally Off [3]	**Voltage** **A**=120 **B**=208 **C**=240 **D**=277 **Z**=Other	**Amp Rating** (Distribution Breakers) **10, 16, 20, 25, 32, 40, 50, 63**	**Quantity** **01-24** [4]
				Notes (1) Other voltages available. Contact factory.		**Notes** (2) 120 min run time not available on 16.7KVA unit.	**Notes** (3) 15 minute retransfer time delay of Normally Off circuit after return of utility. (4) 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 specied otherwise. A 2-pole breaker occupies 2 positions.			

Options	Warranty
A=Remote Summary Alarm Panel **C**=Status Monitoring Contacts **F**=Fast Charge **I**=Inverter on Dry Form C Contacts **M**=Maintenance Bypass [5] **S**=Summary Fault Form C Contacts **T**=Output Trip (Supervised) Alarm [6] **V**=Time Delay 15 Minutes **O**=Output transfer delay (3 secounds) **DT**=Drip Top **L**=Load Control Relay (Contact factory for available quantities & review application) **P**=Remote Status Panel [7] **ZM**=Zone Monitor (Contact factory to review application) **Z**=Seismic Mounting MBYP - External maintenance bypass [8] **EMPB**=External Maintenance Bypass Switch [9], [10] **Can only have one of following options:** **R**=Remote Meter Panel **SEA**=Serial to Ethernet Adapter (RJ45) **BAC**=BACnet Communications (MSTP) **BIP**=BACnet Communications (IP) **MIP**=Modbus TCP/IP **MOD**=Modbus RTU	**2YW**=Startup & Same Day Training **5YP**=5-Year Preventative Maintenanc Plan, Startup must be included **5YW**=5-Year Extended Electronics Warranty **SMP**=Service Monitoring Plan [12]
Notes (5) Maintenance bypass switch is a "make before break". (6) Requires option C. (7) Only main output breaker available. Distribution to be external. (8) Only main output breaker available. Distribution to be external. (9) Maintenance bypass switch is a "make before break". (10) Cannot purchase External Maintenance Bypass Switch with Branch Circuit Breaker options.	**Notes** (11) One year warranty is standard. (12) Requires Factory Start-up options. This program will provide monitoring of the lighting inverter system by our factory service department. All monthly and yearly system tests will be reviewed by our factory service department for early warning signs of any system malfunction. Any system alarms and monthly/yearly test results will automatically be E-mailed to our service department where corrective action can be taken and while under warranty, if necessary, a factory authorized service technician will be scheduled to complete any necessary repairs. This monitoring program will require a dedicated telephone line.

Product Specifications

Standard Features

- 98% Efficient
- PWM/IGBT Technology
- Micro-Processor Control
- User Programmable with Password Protection
- UL 924 Listed
- Automatic Event, Test and Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- 50ms Transfer Time
- Low Audible Noise
- Space-Saving, Single Cabinet Design

Optional Features

- BACnet (MS/TP) or (IP)
- MODbus (TCP/IP) or (RTU)
- Internal Maintenance Bypass
- Summary Form C Contacts
- Fast Charge
- Remote Meter Panel
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Normally Off Output
- Output Trip Alarms
- Remote Summary Alarm Panel

(For complete Options list see Ordering Information table above)

Specifications

- Input 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output Load Power Factor .5 Lag to.5 Lead
- Compatible with all LED Drivers
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Output Distortion Less than 3% THD for Linear Loads
- Generator Compatibility
- Custom Voltages Available
- 90 Minute Runtime Standard; 120 min. available optionally

Dimensions

Models 1.5KVA to 5.0KVA

Models 6.0KVA to 16.7KVA

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