

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Sure-Lites

### INVW-S Series

Outdoor-Rated Emergency Lighting Inverter System

Single Phase Systems 3 kVA/kW to 8 kVA/kW

#### Typical Applications

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

#### Interactive Menu

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#### Product Certification



#### Product Features



#### Top Product Features

- Provides 90 minutes of run time during a power outage
- For use with LED, HID, Incandescent or Halogen technology
- Self-diagnostics and seismic rating are standard
- Single phase output from 3 kVA/kW to 8 kVA/kW
- UL listed for wet location; 10°C to 40°C
- Single cabinet design for batteries and inverter

#### General Specifications

Electronics Module						Cabinet Dimensions				Batteries				
Model Reference	Power Rating (kW/kVA)	No. of Phases	Efficiency @ Full Load	Audible Noise (dBA @ 1m)	Heat Loss (BTU)	Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)	Weight (lbs/kg)	No. of Batteries	Voltage (VDC)	Current (Amperes)	Run Time (mins)
INVW-S-3	3.0	1	98	45	255	48/122	76/193	30/76	805/365	740/335	10	120	37	90
INVW-S-4	4.0	1	98	45	340	48/122	76/193	30/76	805/365	888/403	12	144	40	90
INVW-S-5	5.0	1	98	45	408	48/122	76/193	30/76	805/365	1184/538	15	180	40	90
INVW-S-6	6.5	1	98	45	544	48/122	76/193	30/76	805/365	1480/672	20	240	39	90
INVW-S-8	8.0	1	98	45	680	48/122	76/193	30/76	805/365	1776/806	24	144	82	90

## Order Information

SAMPLE ORDER NUMBER: **INVW-S-3-A-BA1001-H**

Series	Phase	KVA/KW	Voltage Input/Output	Battery Type	Run Time
<b>INVW</b> =Inverter Wet Location Listed, Outdoor Rated	<b>S</b> =Single Phase	<b>3</b> =3.0 <b>4</b> =4.0 <b>5</b> =5.0 <b>6</b> =6.5 <b>8</b> =8.0	<b>A</b> =120 - 120 <b>B</b> =120 - 120/277 <b>C</b> =208 - 120 <b>D</b> =240 - 120 <b>E</b> =277 - 120 <b>F</b> =277 - 277 <b>G</b> =277 - 277/120	<b>S</b> =Standard (VRLA) <b>G</b> =Long Life (10 year)	<b>[Blank]</b> =90 min <b>120</b> =120 min <sup>(2)</sup>
			<b>Notes</b> (1) Other voltages available. Contact factory.	<b>Notes</b> (2) 120 min run time not available on 8KVA unit.	

Output Breakers <sup>(3), (4)</sup>				Options	Warranty <sup>(6)</sup>
<b>Output</b> <b>B</b> =Normally On <b>N</b> =Normally Off <sup>(3)</sup>	<b>Pole</b> <b>A</b> =120, 1-Pole <b>B</b> =208, 2-Pole <b>C</b> =240, 2-Pole <b>D</b> =277, 1-Pole	<b>Amp Rating</b> (Distribution Breakers) <sup>(4)</sup> <b>10, 16, 20, 25, 32, 40, 50, 63</b>	<b>Quantity</b> <sup>(4)</sup> <b>01-14</b>	<b>A</b> =Remote Summary Alarm Panel <sup>(5)</sup> <b>C</b> =Status Monitoring Dry Form C Contacts <b>F</b> =Fast Charge (12-hr) <b>H</b> =Heater (Battery) <b>I</b> =Inverter on Dry Form C Contacts <b>O</b> =Output Transfer Delay (Factory set at 3 seconds; adjustable 0-7.5 seconds) <b>P</b> =Remote Status Panel (Status Alarms, Requires C Option) <sup>(5)</sup> <b>SS</b> =Stainless Steel Cabinet <b>T</b> =Output Trip (Supervised) Alarm <sup>(4)</sup> <b>V</b> =Variable Time Delay 15 Minutes (Requires Normally Off Circuit)  <b>Can only have one of following options:</b> <b>R</b> =Remote Meter Panel <sup>(5)</sup> <b>SEA</b> =Serial to Ethernet Adapter (RJ45) <b>BAC</b> =BACnet Communications (MSTP) <b>BIP</b> =BACnet Communications (IP) <b>MIP</b> =Modbus TCP/IP <b>MOD</b> =Modbus RTU	<b>2YW</b> =Startup & Same Day Training <b>5YP</b> =5-Year Preventative Maintenance Plan, Startup must be included <b>5YW</b> =5-Year Extended Electronics Warranty (requires factory start up)
<b>Notes</b> (3) Normally o load systems cannot exceed 20% of total kVA rating with any combination of HID loads. (4) Maximum output breakers available: 14 unsupervised (1-pole), 8 supervised (1-pole). A 2-pole breaker occupies 2 positions. Breakers provided are 20 Amps unless specified otherwise. List all breaker requirements separately -- ex: BA2007-NA1001.				<b>Notes</b> (5) NEMA type panel and enclosure.	<b>Notes</b> (6) One year warranty is standard.

## Product Specifications

### Standard Features

- UL 924 Listed for Operating Temperatures 10° to 40°C (50°F to 104°F)
- Single Cabinet design for batteries and inverter
- Internal maintenance bypass switch
- Automatic Event, Test and Alarm Logs
- Input Circuit Breaker
- PWM/IGBT Technology
- User Programmable with Password Protection
- RS232 Communications Port

### Optional Features

- BACnet (MS/TP) or (IP)
- MODbus (TCP/IP) or (RTU)
- Remote Meter Panel
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Normally Off Output
- Output Trip Alarms
- Stainless Steel Cabinet
- Microprocessor-Controlled Convection Heater

### Specifications

- Output Load Power Factor .5 Lag to .5 Lead
- Output Distortion Less Than 3% THD for Linear Loads
- Generator Compatibility
- 90 Minute Runtime Standard
- Compatible with Electronic and Magnetic Ballasts and LED Drivers
- Custom Voltages Available
- 1-Phase Input 120V or 277V 2W+Ground
- Output Load Power Factor .5 Lead to .5 Lag
- Temperature Controlled Forced Air Cooling, No Filters Required