

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

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Interactive Menu
 - Order Information page 2
 - Product Warranty

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
- NEMA 3R Enclosure

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

Output Breakers				Options	Warranty
Output Breakers ^{(3), (4)}				Options	Warranty ⁽⁶⁾
Output B=Normally On N=Normally Off ⁽³⁾	Pole A=120, 1-Pole B=208, 2-Pole C=240, 2-Pole D=277, 1-Pole	Amp Rating (Distribution Breakers) ⁽⁴⁾ 10, 16, 20, 25, 32, 40, 50, 63	Quantity ⁽⁴⁾ 01-14	A=Remote Summary Alarm Panel ⁽⁵⁾ C=Status Monitoring Dry Form C Contacts F=Fast Charge (12-hr) H=Heater (Battery) I=Inverter on Dry Form C Contacts O=Output Transfer Delay (Factory set at 3 seconds; adjustable 0-7.5 seconds) P=Remote Status Panel (Status Alarms, Requires C Option) ⁽⁵⁾ SS=Stainless Steel Cabinet T=Output Trip (Supervised) Alarm ⁽⁴⁾ V=Variable Time Delay 15 Minutes (Requires Normally Off Circuit) Can only have one of following options: R=Remote Meter Panel ⁽⁵⁾ 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 Maintenance Plan, Startup must be included 5YW=5-Year Extended Electronics Warranty (requires factory start up)
Notes (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 specied otherwise. List all breaker requirements separately -- ex: BA2007-NA1001.				Notes (5) NEMA type panel and enclosure.	Notes (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)
- NEMA 3R Enclosure with Extra Variable Speed Temperature Controlled Fans for Forced Air Cooling
- 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