Emergensee® Lighting Products, Inc.

JOB NAME: _____
TYPE: _____
PART #: _____
NOTES: _____

SEEWR1

Central Lighting Inverter 2.1 to 17KW

Single Phase Online or Fast Transfer (under 2ms) LED, Incandescent, Fluorescent, HID 120, 208, 240, 277, 480 Volts Listed to UL924 & UL1778 Standards

The **SEEWR1** incorporates state of the art technology with PWM (Pulse Width Modulated), standby design for emergency lighting applications.

The "Energy Conserver" is available in both Fast Transfer and Stand By models.

When utility power fails, the Inverter provides uninterrupted output power to the emergency lighting circuits, in compliance with UL924 Life Safety Code for 90 minutes of egress illumination.

The **SEEWR1** is the best design solution for emergency lighting power for a wide range of commercial and industrial applications.

Key Features:

- **Fast Transfer-Standby and Double Conversion, "no-break" online systems available.**
- **Efficiency: 98% Standby - Fast Transfer / 94%On-Line (Typical)**
- **Automatic monthly and annual self-testing**
- **Latest technology microprocessor controlled electronics with PWM (Pulse Width Modulated) design for true Sine Wave output**
- **Continuous self-diagnostic and self-testing system**
- **LCD backlit panel for comprehensive monitoring of power line conditions and inverter status**
- **Optional remote monitoring, including the advanced Global Monitoring System (GMS)**
- **Optional Battery Sentinel Battery Monitoring System**
- **Battery Exerciser**
- **Modular cabinet design for ease of installation, small footprint with shallow 18" depth, convenient front access, optional certified Zone 4 seismic brackets available**

Specifications are subject to change without prior notification

Made in USA
(BAA & BABA Compliance)
Capable of meeting BAA & BABA requirements upon request!

- **Generator compatible**
- **Built-in Power Factor correction (Saves approx. 10% on utility bill)**
- **Sealed maintenance-free lead calcium batteries with 10 year pro-rata warranty.**
- **2 Year Warranty* (optional)**

**Second Year, months 13 to 24 only valid with factory performed preventative maintenance*

Power Rating: 2.1, 3, 5, 6, 8, 10, 12.5, 15 & 17 kW
Input Voltage: 2.1 - 5KW, 6KW; 120, 208, 240, 277, or 480 VAC (-15% to +10%)
8 - 17KW; 208, 240, 277, or 480 VAC (-15% to +10%)
Output Voltage: 120, 208, 240, 277, or 480 VAC. 120/240: 120/208; 120/277; 480 & 277
Output Frequency (Inverter Operation): 60Hz +0.5Hz.
Voltage Regulation: +3% Typical
Output Voltage Wave Form: Sine-wave.
Optional Input Protection: Input Circuit Breaker provided protection to the unit, load, and personnel and is rated at (10 KAIC) standard, higher interruption up to 65 (KAIC) optional.
Output Protection: Internal Electronic overload protection. Circuit breaker provides inherent over-load protection. Factory selectable voltage 120, 208, 240, 277, or 480 for input or output voltages. If input is different from output or output different from input, an internally mounted transformer is required.
Surge Protection: The inverter will protect itself and the load against surge as defined in ANSI/IEEE C62.45 category A and B.
Noise Isolation: -120 dB. Common-Mode., 60 dB. Transverse-Mode
Isolation: Output is completely isolated from input and with multi voltages

Efficiency: 98% standby - fast transfer / 94% online
Power Factor: Unity
Crest Factor: 3:1
Battery: Sealed, Maintenance-free, Lead-Acid, VRLA (Standard) 10 years
Battery Management System: Utilizes a microprocessor technology to monitor the batteries critical levels and apply charging cycles in a method to substantially increase battery life.
Housing: Free standing NEMA 1 Enclosure powder coated paint Front access only Multiple conduit entries. Refer to chart for dimensions.
Recharge Time: Conforms to UL924
Environmental:
Humidity: 0 - 95 RH w/ no condensation
Operating Temperature:
UPS: 0˚ to 40˚C. (32˚-104˚F)
Battery: 20˚ to 25˚C. (68˚-77˚F)
Storage Temperature: -20˚ to 70˚C. (-4˚ - 158˚F)
Safety Agencies: CSA Listed to UL 924, UL 924A, UL1778

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OPTIONS

- Secondary Auxiliary Circuit Breakers (up to 16 or 24 one pole OCB's): Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm
- Dry Contact Normally Open
- Dry Contact "Form C" Normally Open and/or Normally Closed
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch
- Make Before Break Internal Maintenance Bypass Switch
- External Maintenance Bypass Switch (wrap around type)
- Main Input and/or Output Circuit Breaker (with custom KAIC)
- Input Transient Voltage Surge Suppressor (TVSS)
- Battery Thermal Runaway
- Certified Zone 4 Seismic Bracket: Adds approx. 4" of additional floor space to each side of cabinet
- Extended Warranty and Service Plans
- Long Life Battery: Check with factory for number of cabinets
- Battery Monitoring System
- Event logging Monitoring via RS232 and RS485
- Monitoring via RS232 and RS485

Optional Global Monitoring System (GMS)

- Provide SNMP MIB to monitor & log UPS status
- Auto-sense 10M/100M Fast Ethernet
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, TelNet, SNTP, PPP, HTTP, SMTP Protocol
- Sending both of SNMP TRAP and Email for events notifications.
- Auto email daily Battery Backup history report (configurable)
- Basic NetAgent: LAN or WIFI
- Advance NetAgent: LAN, WIFI, Dial-up Modem, or GPRS Modem

Consult factory for more features and choices of remote communication.
Specifications are subject to change without prior notification.

ORDERING LOGIC

Model SEEWR1	Wattage	Voltage	Runtime
SEEWR1	**2.1** (2100W/VA)	**A0100N1** - 120V INPUT - 120V OUTPUT	**(Blank)** 90 Minutes - Standard Runtime
	3.0 (3000W/VA)	**B1300N1** - 208V INPUT - 208V OUTPUT	**120** - 120 Minutes Runtime
	5.0 (5000W/VA)	**D0400N1** - 240V INPUT - 240V OUTPUT	
	6.0 (6000W/VA)	**R2500N1** - 277V INPUT - 277V OUTPUT	
	8.0 (8000W/VA)	**H2500N1** - 480V INPUT - 277V OUTPUT	
	010 (10,000W/VA)	**X5800T1** - (SPECIAL VOLTAGE CONFIGURATION - SEE NOTES	
	012 (12,500W/VA)	**Y5899T1** - (SPECIAL VOLTAGE CONFIGURATION - SEE NOTES	
	015 (15,000W/VA)		
	017 (17,000W/VA)		

* Input Voltage "**X**": **A**= 120, **B**= 208, **D**= 240, **R**= 277, **H**= 480 VAC
* Input Voltage "**Y**": **R**= 277 or **H**= 480 VAC
* Output Voltage "5800" = 120/240, or 280, or 277 VAC
* Output Voltage "5899" = 277 & 480 VAC

Model	INVERTER CABINET
SEEWR1-2.1 (2100W/VA)	39W X 68H X 18D / 896LBS
SEEWR1-3.0 (3000W/VA)	39W X 68H X 18D / 1066LBS
SEEWR1-5.0 (5000W/VA)	39W X 68H X 18D / 1284LBS
SEEWR1-6.0 (6000W/VA)	39W X 68H X 18D / 1284LBS
SEEWR1-8.0 (8000W/VA)	39W X 68H X 18D / 1464LBS
SEEWR1-010 (10,000W/VA)	51W X 70H X 30.5D / 2870LBS
SEEWR1-012 (12,500W/VA)	51W X 70H X 30.5D / 3777LBS
SEEWR1-015 (15,000W/VA)	51W X 70H X 30.5D / 4512LBS
SEEWR1-017 (17,000W/VA)	51W X 70H X 30.5D / 4512LBS