



STAND-BY ETERNALIGHT 1

SPECIFICATIONS

- The Stand-By Eternalight 1 maintains efficient AC Emergency Power to operate all emergency lighting fixtures at “full-light” output, after the transfer is complete, providing superior dependability and security to commercial/industrial environments in a small footprint.

POWER RATING

- 4.7 KW - 21 KW (or 4,700 Watts - 21,000 Watts) single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and DSPM Watchdog Software provides complete self diagnostic capabilities and LCD Monitoring
- Informative advanced Display and Alarms keep you in control of your emergency lighting environment 24/7
- Automatically performs periodic self-tests ensuring a safely lighted environment prior to an emergency
- Single point of testing instead of multiple testing points with battery packs

INPUT

- 120V, 208V, 240V, 277V or 480V input 60Hz

OUTPUT

- 120V, 240V, 277V, 480V, 120/240 or 120/277VAC Stand-by design is ≥99% efficient at 100% linear load

PROTECTION

- Provides overload, surge and undercurrent protection using DSP/PWM technology and DSPM Watchdog Software to protect system performance and reliability
- Transfer in 16msec - 60msec

BATTERIES

- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is TEMPERATURE COMPENSATED maintaining maximum run-time and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

INSTALLATION

- Modular design and small footprint allow easy installation in electrical closet or other convenient locations
- Phone assisted factory start-up standard for all systems
- Extended warranty available

LAMPS AND LOADS

- Emergency power provides FULL LIGHT OUTPUT from all lamps and fixtures for the entire runtime
- Operates fluorescent, compact fluorescent, incandescent, quartz, LED and other lamp types
- Standard or electronic ballasts, dimming devices or panels, sensors and most control equipment
- Standard or LED Exits and other safety equipment

CODES

- UL 924, UL 1778, meets NFPA 101, NFPA 70, NEC and OSHA standards
- Cities of Chicago and New York approved
- Complies with the Buy American Act

WARRANTY

- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated
- System 1-year on-site warranty labor with DSPM phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

SPECIAL APPLICATIONS

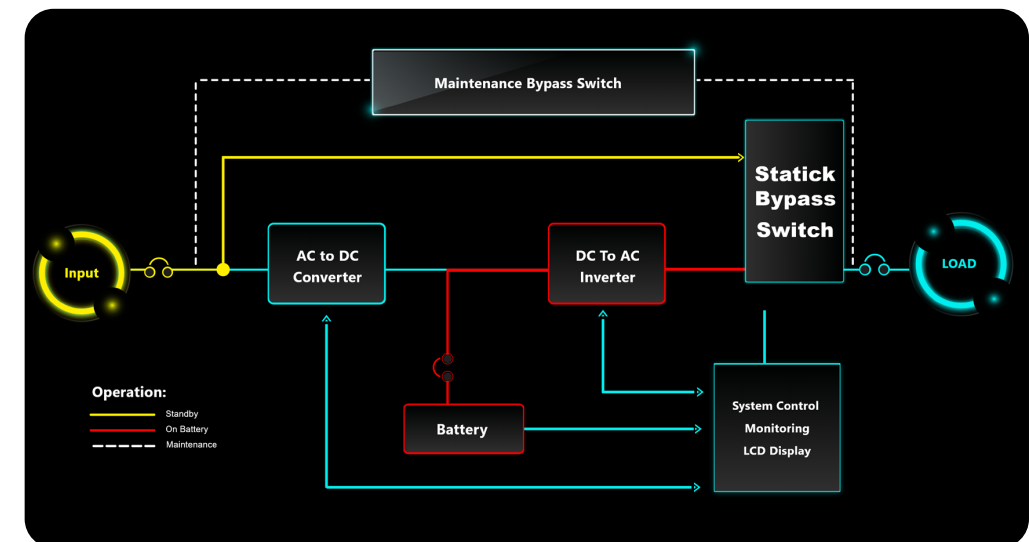
- DSPM offers numerous UL924 optional devices to meet unusual or difficult application parameters
- ECM - Environmental Circuit Module allows fixtures and lamps on the emergency circuit(s) to be operated by normal switching and/or dimming devices in NON-emergency conditions
- Dimming Panel Interface allows use with emergency lights controlled by common dimmer panel

CABINET

- Modular design enables flexible installation
- Forced air cooling for maximum reliability
- NEMA 1 rated
- Systems up to 14 KW are self contained; larger systems require external battery cabinet(s)



4.7 kVA - 21 kVA
 Three Phase
 Outdoor
 Uninterrupted
 Power
 Systems



ELECTRICAL SPECIFICATIONS

Input Voltage Range	+10% , -15%
Output Voltage Regulation	±2% for all loads and battery discharge mode
Output Frequency Range	60 Hz, ±1%
Output Wave Form	Sine-wave <5% @ 100% linear load
Crest Factor	2.5:1 typical
Input Protection	Input Main Circuit Breaker
Output Protection	Output Main Circuit Breaker
Surge Protection	The unit will protect itself and the load against surges as defined in ANSI/IEEE C62.45 category A and B
Efficiency	≥92% at 100% linear load
Audible Noise	<45dB measured on Response Curve "A"
Operating Temperature	0° to 40°C (32° to 104°F)
Storage Temperature	-20° to 60°C (-4° to 140°F)
Humidity	5 - 95%, Non-condensing

Eternalight 1 Series	Power Ratings	UPS			Battery			Weight	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals	
		Cabinet Dimensions			Cabinet Dimensions						Input	Output			
SE1	kVA/KW	W	H	D	W	H	D	(lbs)	BTU s	Sealed, Maintenance free (AGM) lead calcium	Select 120, 208, 240, 277 or 480	Select 120, 277, 480, 120/240 or 120/277	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70 NEC	
	4.7	42"	71"	22.5"				1200	159.8						not required
	5.25	42"	71"	22.5"				1200	178.5						not required
	7	42"	71"	22.5"				1450	238						not required
	8	42"	71"	22.5"				1450	272						not required
	10	42"	71"	22.5"				1820	340						not required
	12	50"	71"	32"				2210	408						not required
	14	50"	71"	32"				2550	476						not required
	18	42"	71"	22.5"	42"	71"	22.5"	3750	612						
21	42"	71"	22.5"	42"	71"	22.5"	4375	714							

The Stand-By Eternalight 1 provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ..."simplicity"...connect the SE1 to the emergency circuit(s) and everything is backed up..."reliability"...during a power outage. All lighting connected to the SE1 will simply continue to operate at "full light output" once the transfer is complete. DSPM Watchdog® software keeps your environment safe while self-diagnostics help maintain equipment to a high standard. Superior surge suppression assures the highest quality of power being delivered to all loads, all the time.

We sincerely hope you never experience a real emergency, but if you do, you deserve the security, safety and peace of mind that the Eternalight 1 from DSPM ensures.

ORDERING INFORMATION

Choose the bold face catalog nomenclature that best suites your needs.

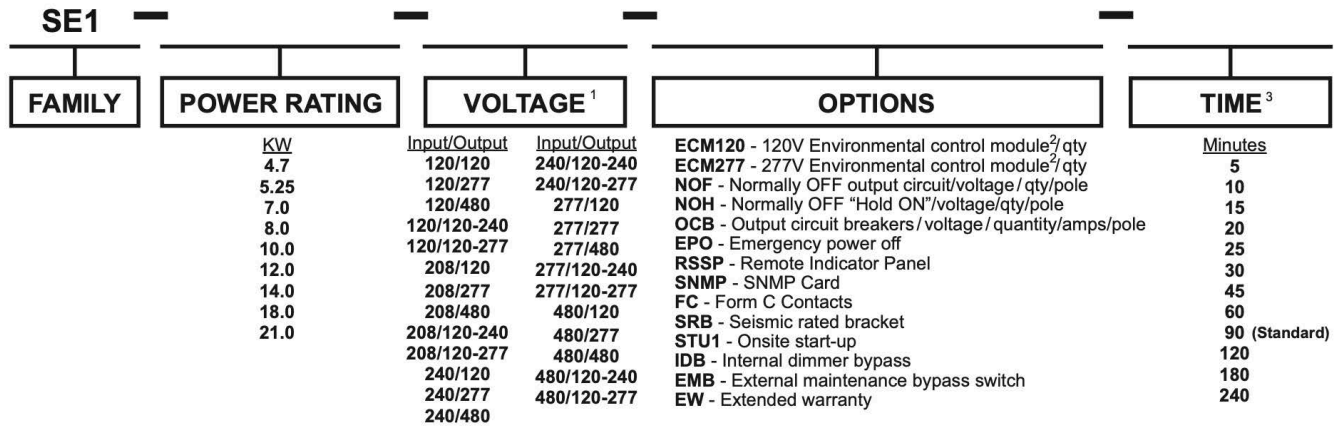
Write them on the appropriate line. Order accessories as separate catalog number.

Example:

SE1 - 8.0 - 120/277 - ECM277/3 OCB/277/3/20/1

Description of example:

(8.0 KW, 120 Voltage In, 277 Voltage Out, 3 277V Environmental Control Modules, 3 Output 277 Voltage Circuit Breakers at 20amps, 2 pole)



NOTES:

1-Consult factory for other voltage requirements. Special voltages may effect the weight, size and number of cabinets.

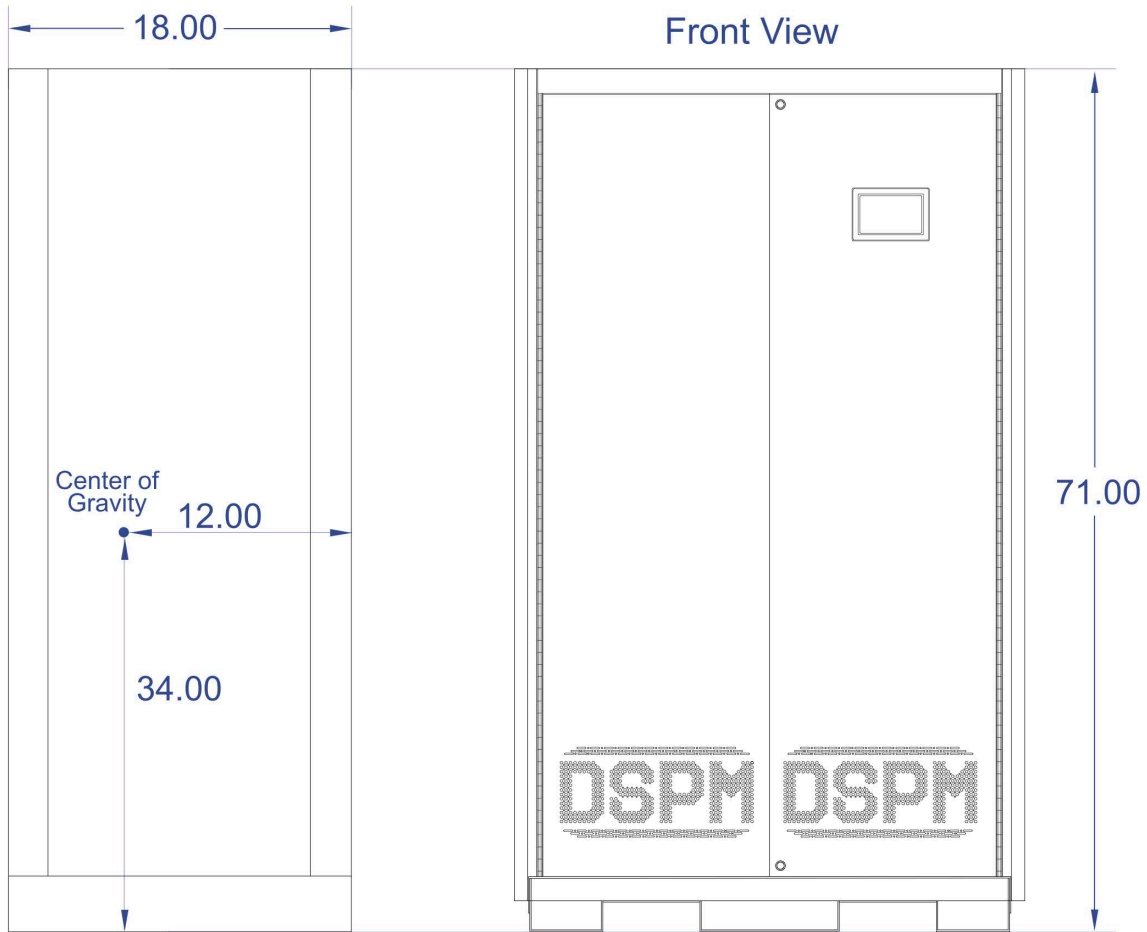
2-One ECM is used per switching device or circuit specifications subject to change without notice.



439 S. Stoddard Avenue San Bernardino, CA 92401

Ph: 1.877.DSPM POWER 1.877.377.6769 Fax: 909.930.3335

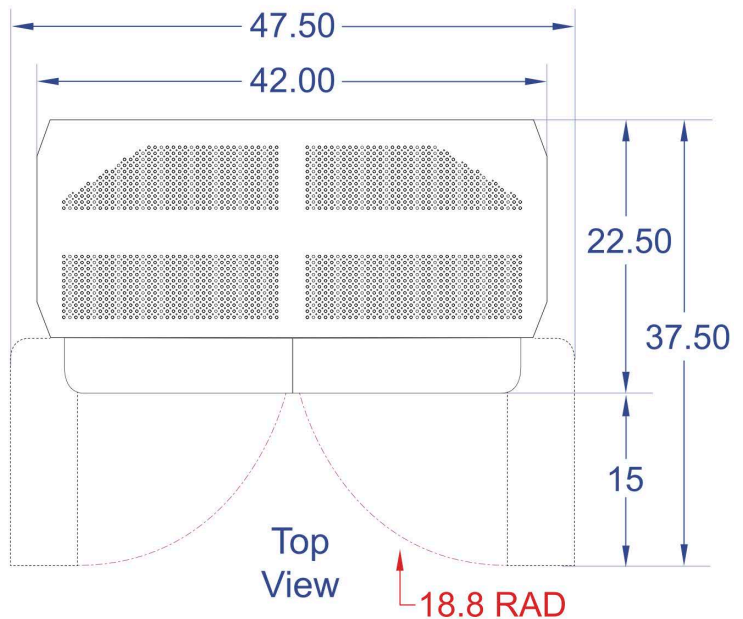
MECHANICAL FOOTPRINT (Regular)



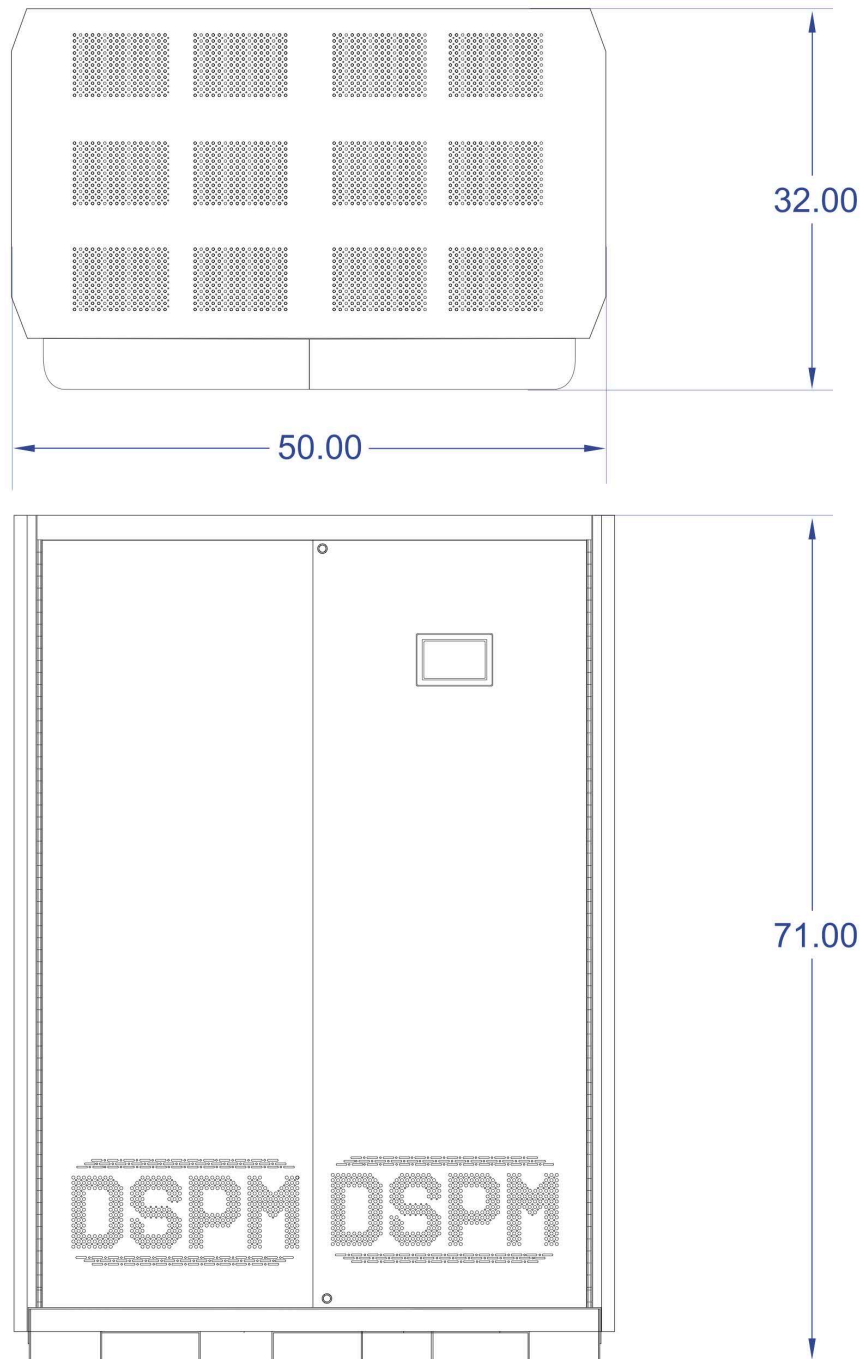
Right / Left Side View

Per code requirements please leave 3" on each side of the cabinet including the back, and a 3 foot clearance in front.

Notice: This drawing contains confidential and proprietary data originated. All design, manufacturing, reproduction, use and sale rights are expressly reserved. The recipient agrees by accepting this document, not to supply or disclose and information regarding it to any unauthorized person, or to incorporate this data into any other design or use thereof. All patent rights are expressly reserved.



MECHANICAL FOOTPRINT (SuperCab)



Per code requirements please leave 3" on each side of the cabinet

including the back, and a 3 foot clearance in front.

Notice: This drawing contains confidential and proprietary data originated. All design, manufacturing, reproduction, use and sale rights are expressly reserved.

The recipient agrees by accepting this document, not to supply or disclose and information regarding it to any unauthorized person, or to incorporate this data into any other design or use thereof. All patent rights are expressly reserved.