



STAND-BY ETERNALIGHT 3

SPECIFICATIONS

- The Stand-By Eternalight 3 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.

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

POWER RATING

- 3 KW - 125 KW (or 3,000 Watts - 125,000 Watts) three phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability feature

INPUT

- 208Y/120, 480Y/277, 208 or 480VAC input 60Hz

OUTPUT

- 208Y/120 or 480Y/277VAC Stand-by design is $\geq 99\%$ efficient at 100% linear load

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

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

CABINET

- Modular design enables flexible installation
- Forced air cooling for maximum reliability
- NEMA 1 rated
- All systems above 6kVA require external battery cabinet(s)

WARRANTY

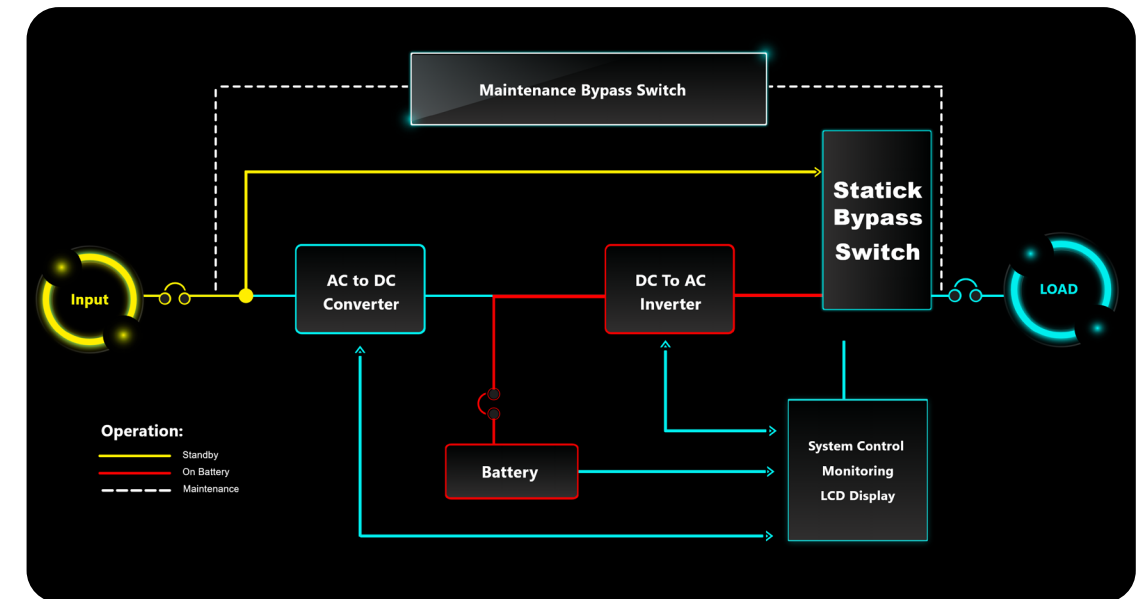
- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated
- System 1-year on-site warranty labor with DSPM phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

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



3 kVA - 125 kVA
 Three Phase
 Outdoor
 Uninterrupted
 Power
 Systems



ELECTRICAL SPECIFICATIONS

Input Voltage Range	+10% , -15%
Output Voltage Regulation	±3% 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 3 Series	Power Ratings	UPS			Battery				Weight	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions			Cabinet Dimensions							Input	Output		
	kVA/KW	W	H	D	No.	W	H	D	(lbs)	BTU s					
SE3	3	42"	71"	22.5"	not required				980	102	Sealed, Maintenance free (AGM) lead calcium	Select 208Y/120VAC, 480Y/277VAC, 208 or 480VAC (Consult factory for others)	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70 NEC	
	4.5	42"	71"	22.5"	not required				1100	153					
	6	42"	71"	22.5"	not required				1350	204					
	8	50"	71"	32"	1	42"	71"	22.5"	1700	272					
	10	42"	71"	22.5"	1	42"	71"	22.5"	2250	340					
	12	42"	71"	22.5"	1	42"	71"	22.5"	2700	408					
	16	42"	71"	22.5"	1	42"	71"	22.5"	2950	544					
	20	42"	71"	22.5"	1	50"	71"	32"	3800	680					
	24	42"	71"	22.5"	2	42"	71"	22.5"	4350	816					
	30	42"	71"	22.5"	2	42"	71"	22.5"	5150	1020					
	40	42"	71"	22.5"	3	42"	71"	22.5"	6790	1360					
	50	50"	71"	32"	2	50"	71"	32"	8384	1700					
	60	50"	71"	32"	Consult Factory				2040						
	80	50"	71"	32"	Consult Factory				2720						
	100	50"	71"	32"	Consult Factory				3400						
	125	50"	71"	32"	Consult Factory				4250						

The Stand-By Eternalight 3 provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ..."simplicity"...connect the SE3 to the emergency circuit(s) and everything is backed up..."reliability"...during a power outage. All lighting connected to the SE3 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 3 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:

SE3 - 12.0 - 208Y/120 208Y/120- EMB OCB/120/3/20/1 - 240

Description of example:

(12.0 KW, 208Y/120 Voltage In, 208Y/120 Voltage Out, External Maintenance Bypass Switch, 3 Output 120 Voltage Circuit Breakers at 20amps, 2 pole, 240 minute run time)

SE3	FAMILY	POWER RATING	VOLTAGE ¹	OPTIONS	TIME ³
		<u>KW</u>	<u>Input - Output</u>	<u>ECM120</u> - 120V Environmental control module ² /qty	<u>Minutes</u>
		3.0	208Y/120 - 208Y/120	<u>ECM277</u> - 277V Environmental control module ² /qty	5
		4.5	208Y/120 - 480Y/277	<u>NOF</u> - Normally OFF output circuit/voltage / qty/pole	10
		6.0	480Y/277 - 208Y/120	<u>NOH</u> - Normally OFF "Hold ON"/voltage/qty/pole	15
		8.0	480Y/277 - 480Y/277	<u>OCB</u> - Output circuit breakers / voltage / quantity/amps/pole	20
		10.0	208 - 208Y/120	<u>EPO</u> - Emergency power off	25
		12.0	208 - 480Y/277	<u>RSSP</u> - Remote Indicator Panel	30
		16.0	480 - 208Y/120	<u>SNMP</u> - SNMP Card	45
		20.0	480 - 480Y/277	<u>FC</u> - Form C Contacts	60
		24.0		<u>SRB</u> - Seismic rated bracket	90 (Standard)
		30.0		<u>STU3</u> - Onsite start-up	120
		40.0		<u>IDB</u> - Internal dimmer bypass	180
		60.0		<u>EMB</u> - External maintenance bypass switch	240
		80.0		<u>EW</u> - Extended warranty	
		100.0		<u>FT</u> - Fast transfer	
		125.0			

NOTES:

1-Consult factory for other voltage requirements.

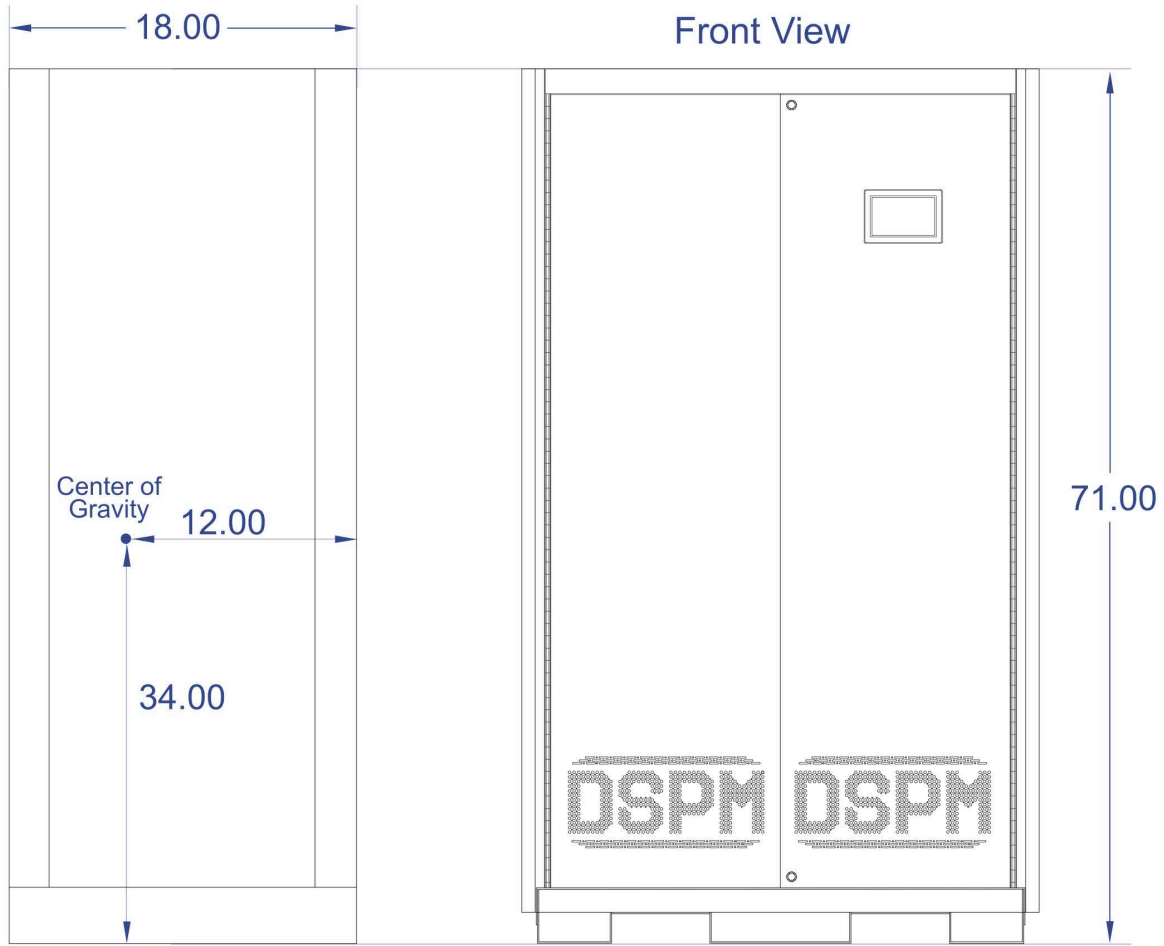
Special voltages may effect the weight, size and number of cabinets.

2-One ECM is used per switching device or circuit.

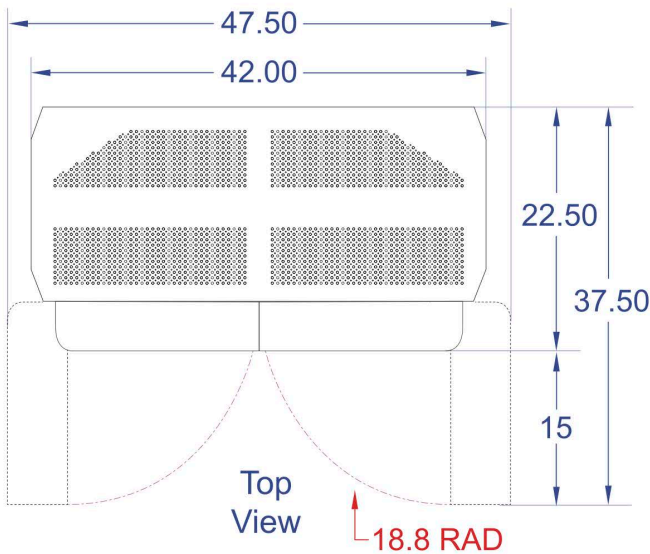
3-Consult factory for other run times.

Specifications subject to change without notice

MECHANICAL FOOTPRINT

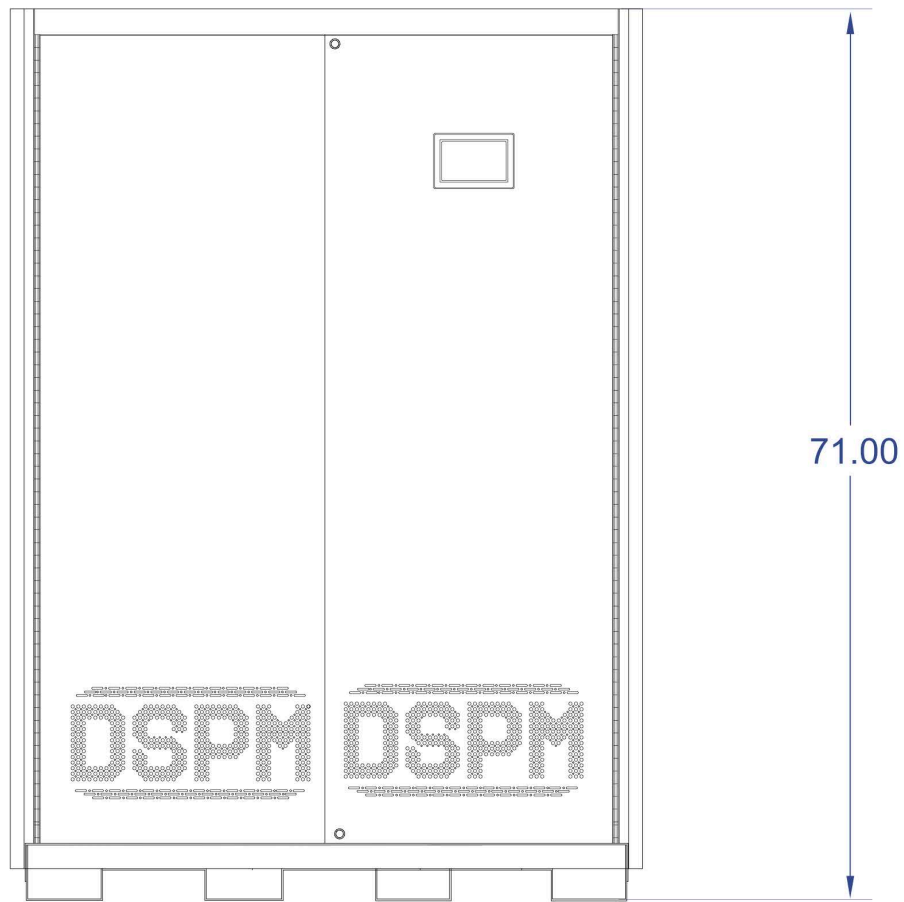
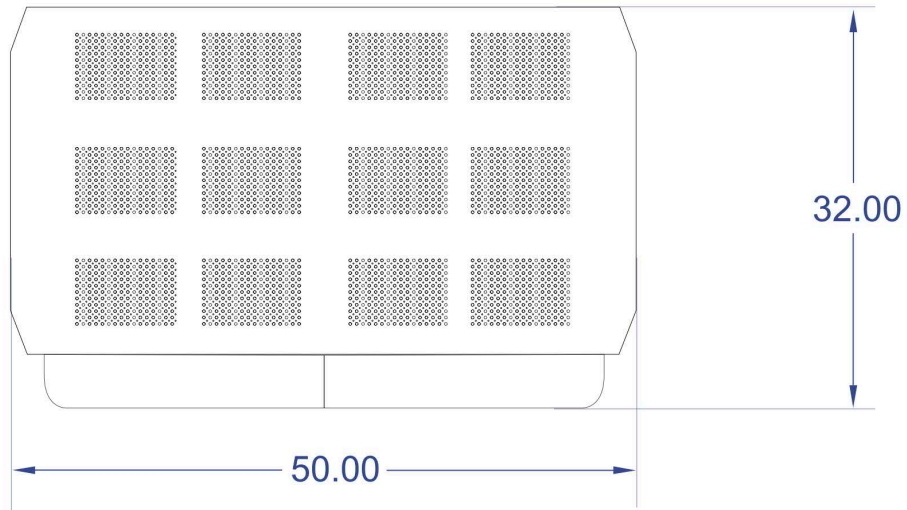


Right / Left Side View



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

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