

Job Name:		
Type:		
Part #:		
Notes:		



SPECIFICATIONS

The Defender 3 maintains efficient AC Emergency Power to operate all emergency lighting fixtures at "full-light" output, providing superior dependability and security to commercial/ industrial environments in a small footprint.

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 features

INPUT

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

OUTPUT

• 208Y/120 or 480Y/277VAC True "on-line" design is ≥92% efficient at 100% linear load

BATTERIES

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

LAMPS AND LOADS

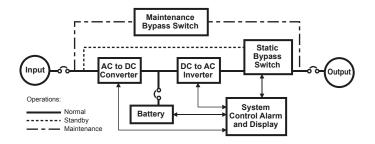
- Emergency power provides FULL LIGHT OUTPUT from all lamps and fixtures for the entire runtime
- · Operates fluorescent, compact fluorescent, incandescent,

quartz, H.I.D., 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
- · Cities of Chicago and New York approved
- · Complies with the Buy American Act



3 KW - 125 KW

Three Phase

Uninterrupted **Emergency** Lighting and Power Systems



PROTECTION

• Provides overload, surge and undercurrent protection using DSP/PWM technology and The <code>Watchdog</code>© <code>Software</code> to protect system performance and reliability Surge protection against load surges as defined in

ANSI/IEEE C62.45 category A and B

DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and The Watchdog® Software provides complete self diagnostic capabilities and LED 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

CABINET

- · Modular design enables flexible installation
- · Forced air cooling for maximum reliability
- · All systems are self contained and require external battery cabinet(s)

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

SPECIAL APPLICATIONS

- LSL 24/7 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

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 The phone assisted
- 5-Year powertrain warranty
- · Maintenance contracts available



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Defender 3 Series	Power Rating		UPS Cabinet Dimensions		Battery Cabinet Dimensions			S	Weight (combined)	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
DE3	KVA/KW 3 4.5 6 8 10 12 16 20	Di W 42" 42" 42" 42" 42" 42" 42"	mensid H 71" 71" 71" 71" 71" 71" 71" 71" 71"	D 22.5" 22.5" 22.5" 22.5" 22.5" 22.5" 22.5" 22.5"	No. 1 1 1 1 1	w not re	Hequired equired 71" 71" 71" 71"	D	(lbs) 980 1100 1350 1700 2250 2700 2950 3800	Unit BTU's 816 1224 1632 2176 2720 3264 4352 5440	Sealed, Maintance free (AGM) lead calcium	Input Output 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	
	24 30 40 50 60 80 100 125	42" 42" 42" 50" 50" 50"	71" 71" 71" 71" 71" 71" 71" 71" 71"	22.5" 22.5" 22.5" 22.5" 32" 32" 32" 32"	2 3 4	42" 42" 42" 42"	Consi	22.5" 22.5" 22.5" 22.5" ult Facult Facult Facult Fac	tory tory	6528 8160 10880 13600 16320 21760 27200 34000					

The Defender 3 provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ... "simplicity"... connect the DE3 to the emergency circuit(s) and everything is backed up..."reliability"...during a power outage. All lighting connected to the DE3 will simply continue to operate at "full light output". The 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. Equipment and lamp life are maximized.

We sincerely hope you never experience a real emergency, but if you do, you deserve the security, safety and peace of mind that the Defender 3 from LSL 24/7 ensures.

ORDERING INFORMATION

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

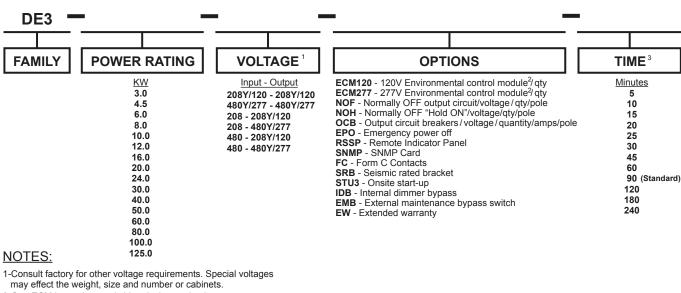
Write them on the appropriate line. Order accessories as separate catalog number.

Example:

DE3 - 12.0 - 208Y/120 208Y/120- EMB OCB/120/3/20/1

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)



- 2-One ECM is used per switching device or circuit.
- 3-Consult factory for other run times.

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