

Job Name:		
Туре:		
Part #:		
Notes:		



## **SPECIFICATIONS**

The LSL Defender Plus 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**

 2.4 KW - 4.2 KW (or 2,400 Watts - 4,200 Watts) single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

#### INPUT

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

#### OUTPUT

 120V, 277V, 480V, 120/240 or 120/277VAC output 60Hz. True "on-line" design is ≥92% efficient at 100% linear load

#### BATTERIES

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

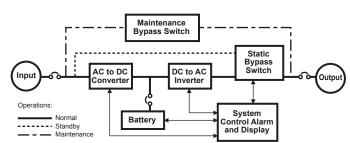
## LAMPS AND LOADS

· 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 **OSHA** standards
- Cities of Chicago and New York approved
- · Complies with the Buy American Act



## 2.4 KW - 4.2 KW

Single Phase

Uninterrupted Emergency Lighting and Power Systems



PROTECTION

- Provides overload, surge and undercurrent protection using technology and The Watchdog© Software to protect system performance and reliability
- Surge protection against load surges as defined in
- AŇSI/IEEE C62.45 category A and B

#### DIAGNOSTICS AND MAINTENANCE

- Our 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

- Space saving small footprint
- · Modular design enables flexible installation

#### 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

• LSI 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 MFG phone assisted start-up
- · 5-Year power train warranty
- Maintenance contracts available

### Specifications subject to change without prior notice. @2024 LSL 24/7. ALL RIGHTS RESERVED



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Defender Plus Series	Power Rating	UPS Cabinet Dimensions		Weight	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals	
	KVA/KW	W	Н	D	(lbs)	BTU's		Input	Output		
	2.4	26"	44"	26"	700	652.8	Sealed,	<u>Select</u>	<u>Select</u>	Input and	UL924
LSDPLUS	2.6	26"	44"	26"	700	707.2	Maintance	120,	120,	output	UL1778
	3.0	26"	44"	26"	800	816	free (AGM) lead calcium	208, 277, 480, 240, 120/240 277 or or 120/277			NFPA 101
	3.4	26"	44"	26"	800	924.8			breakers standard	NFPA 70 NEC	
	3.8	26"	44"	26"	800	1033.6					
	4.2	26"	44"	26"	920	1142.4		480			

The LSL Defender Plus provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ... "simplicity" ... connect the Plus to the emergency circuit(s) and everything is backed up..."reliability"...during a power outage. All lighting connected to the Plus 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 Plus from LSL 24/7 ensures.

# ORDERING INFORMATION

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

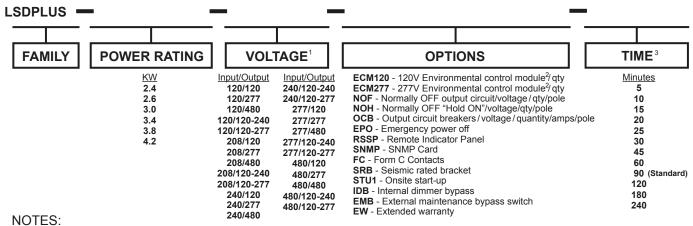
Write them on the appropriate line. Order accessories as separate catalog number.

## Example:

#### LSDPLUS - 4.2 - 277/277 - ECM277/3 OCB/277/3/20/1 - 45

Description of example:

(4.2 KW, 277 Voltage In, 277 Voltage Out, 3 277V Environmental Control Modules, 3 Output 277 Voltage Circuit Breakers at 20amps, 2 pole, 45 minute run time)



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

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

3-Consult factory for other run times.

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#### 2024.09