

# SERIES LI

# LIGHTING INVERTER

The **Series LI** central emergency lighting inverter is the answer for the federal regulations which govern all facilities from schools to motels. Emergency egress for people is required by law, therefore the owner, managing company and the insurance company must comply with "life safety" legislation. The **Series LI** is designed to supply reliable, isolated, clean, regulated power for emergency lighting and associated controls. This is accomplished with the latest technology and a self-diagnostic monitoring alarm system that continuously advises system status.



- Hotels / Motels / High-Rise Bldgs
- Warehouses / Security / Parking Garages
- Libraries / Schools / Universities
- Theatres / Theme Parks
- Airport Terminals
- Places for Worship

## Standard Equipment Features

- UL 924
- UL 1778
- NFPA 101
- NFPA 111
- NFPA 70 NEC
- FCC Article 15, J, Class A
- ANSI / IEEE C62.41 Category B3
- SEPSS / ECE / Level 1 & 2
- Uninterruptible continuous output for use with standard lighting fixtures
- Built-in isolation transformer to regulate output voltage and protect the load
- Integrated status and alarm panel
- AC, DC, and Overload protection
- Internal bypass switch
- 90 min. battery backup (expandable)
- Front access cabinetry
- Engine-Generator ready

## Optional Features

- External Maintenance Bypass
- Extended Battery runtime
- Remote status panel
- Output Distribution Panels
- Remote communications via alarm signals



**POWER SYSTEMS**  
& CONTROLS  
THE POWER IS ON!

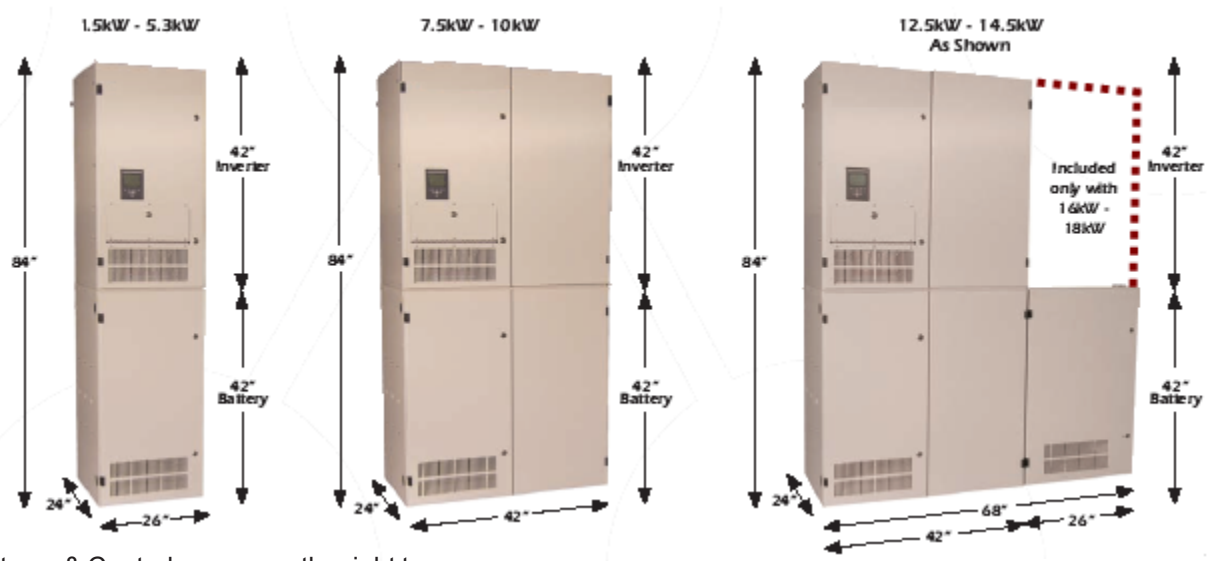
# System Specifications

INPUT		OUTPUT	
Nominal Voltage Available		Nominal Voltage Available	
➤ @ 60 Hz	120, 208, 240, 277, 347	➤ @ 60 Hz	120/277, 120/240, 120/347
➤ @ 50 Hz	120, 220, 380	➤ @ 50 Hz	120/220, 380
➤ Phase	Single and Three	➤ Phase	Single and Three
➤ Frequency Tolerance	+/- 2.5 Hz	➤ Load Regulation	Better than +/- 3%
➤ Line Voltage regulation	+/- 3%	➤ Output Impedance	3% to 5%
➤ Harmonic Distortion	> 10%	Power Factor	

SERIES LI RATINGS, DIMENSIONS & WEIGHTS				
KW	W (IN)	D (IN)	H (IN)	W (LBS)
1.5	660(26)	610(24)	2134(84)	522(1054)
2	660(26)	610(24)	2134(84)	522(1054)
2.5	660(26)	610(24)	2134(84)	522(1054)
3.5	660(26)	610(24)	2134(84)	575(1162)
5.3	660(26)	610(24)	2134(84)	778(1571)
7.5	1067(42)	610(24)	2134(84)	(2192)
8.5	1067(42)	610(24)	2134(84)	(2736)
10	1067(42)	610(24)	2134(84)	(2956)
12.5	1727(68)	610(24)	2134(84)	(3505)
14.5	1727(68)	610(24)	2134(84)	(3772)
16	1727(68)	610(24)	2134(84)	(4374)
18	1727(68)	610(24)	2134(84)	(4528)

Standard distribution breaker options as follows				
1 pole	15A	OR	1 pole	20A
2 pole	150A	OR	2 pole	20A
Maximum output CB space available				
With Trip Alarm and Light				10
Without Trip Alarm and Light				20

➤ Self Correcting		>0.95
Isolation		
➤ Type		Galvanic
Noise Attenuation		
➤ Common Mode		120 dB Rejection
➤ Transverse Mode		70 dB Rejection
Harmonic Distortion		
➤ Total		3% on any single harmonic
ENVIRONMENT		
➤ Temperature		32° to 104° F (0° -40° C)
➤ Altitude		0to 5000 FT (0 to 1540 M)
➤ Humidity		0 to 95% non-condensing
➤ Noise Level		< 65 dBA



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