

Power Systems & Controls

Series LI - Emergency Lighting Inverter 1.5-18kW



UL U/L 924 Listed

The Series LI emergency lighting inverter system is a single phase, continuous duty, seamless transfer inverter. The Series LI is designed to supply reliable, isolated, clean,

regulated emergency power for emergency lighting and associated controls. An efficient ferroresonant transformer, microprocessor controlled solid-state PWM inverter and long lasting battery pack provide immunity to all line disturbances and power interruptions with no break in AC output power. Power factor correction and harmonic attenuation are provided. The synchronous inverter produces a true uninterrupted output in any mode of operation. A self-diagnostic monitoring alarm system continuously advises system status.

Typical Applications:

- Manufacturing Facilities
- Warehouses
- Libraries, Schools, Universities
- Parking Garages
- Theatres & Entertainment Complexes

The standard system is complete and includes:

- UL 924 listed; NFPA 101 compliant
- No transfer to battery interruption
- >90% efficient design
- Self Testing / Automatic Reporting
- Self Diagnostics
- Immune to high harmonic content lighting loads
- All copper windings and conductors
- 200,000 hour MTBF K-30 transformer
- Lightning Protection IEEE/ANSI C62.45

Standard Equipment Features

- 90 minutes standard emergency backup
- 24 hour recharge - 15 year warranty, extended life batteries
- Sine wave output
- Input AC and DC circuit breakers Included
- Short circuit self-protected
- Status and alarm port for remote annunciation



Optional Features

- Internal Maintenance Bypass
- Wall Mounted MBB Bypass
- Automatic MBB Bypass
- Output Distribution Panels
- Normally-Off AC Output Bus
- Normally Off and Return Dual Timers
- Remote Monitor



System Specifications

Performance

INPUTS	120v, 208v, 240v, 277v
OUTPUTS	120v, 208v, 240v, 277v
TECHNOLOGY	No Break, Seamless Transfer
RANGES	1.5kW - 18kW
RUNTIMES	Standard 90 Minutes Alternate runtimes available (10 minutes - 8 hours). Consult factory.
MTBF	100,000 - 200,000 Hours
WAVEFORM	Sine Wave
SAFETY	Input Breaker, Inherent Current Limit Lightning, Harmonic Attenuation Transient Protected
BATTERY	Sealed, Maintenance-Free, 15-Year Warranty
BATTERY CHARGER	Automatic, High-Rate, 3-Stage Charger Less Than 24 Hour Recharge
REGULATION	3% Output Voltage
INPUT RANGE	+10% to -15%

Dimensions and Weight

INVERTER	DIMENSIONS (inches w/d/h)	Weight	
		208 V / 240 V	277 V
15 - 3.5	17 / 21 / 7*	67	268*
4	15 / 28 / 30	375	455
5 - 5.4	22 / 32 / 44	564	674
6 - 8	22 / 32 / 44	674	784
10 - 14.5	33 / 36 / 52	995	1115
15 - 18	33 / 36 / 52	1115	1245

*For 1.5 - 3.5kW range, add 7 inches to height for 277v models.

Product Selection Guide

PROFILE	AC INPUT VOLTAGE	OUTPUT VOLTAGE	HERTZ	kW / kVA
5	A=120	A-120	X=60	1.5 / 2
				2 / 3
				4 / 5
5	R=208 / 120	R=240 / 120	X=60	2.5 / 3.5
				3 / 4
				3.5 / 5
5	M=208 / 240	Z=120/208/240	X=60	4 / 5
				5 / 6
	J=277	J=277	5.4 / 7	
			6 / 8	
	7 / 9			
	8 / 10			
10 / 13				
12 / 15				
14.5 / 17				
15 / 18				
16 / 19				
18 / 20				

Battery Weight

including Battery Cabinet

kW	WEIGHT
15-25	770
3-35	970
4	1042
5-54	1222
6-8	1815
10-12	2785
14.5-16	3380
16-18	3997

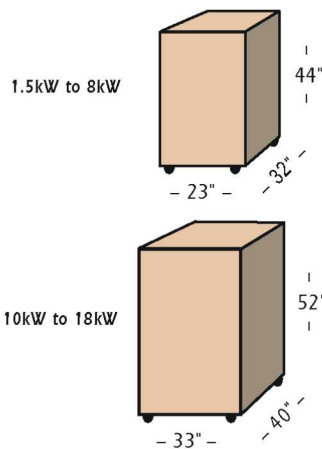
Optional Wall-Mount

Maintenance Bypass Switch

DIMENSIONS (inches w/d/h)	WEIGHT (lbs)
15-2.5	25

Battery Module Enclosure

SHIPPED ON CASTERS, PRE-WIRED AND PRE-TESTED



Battery Weight

kW	MAXIMUM
15-4	upto 5, 1pole breaker*
5-8	upto 7panels
4	upto 14panels



*1.5 - 3.5kW requires optional distribution module.

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THE POWER IS ON!