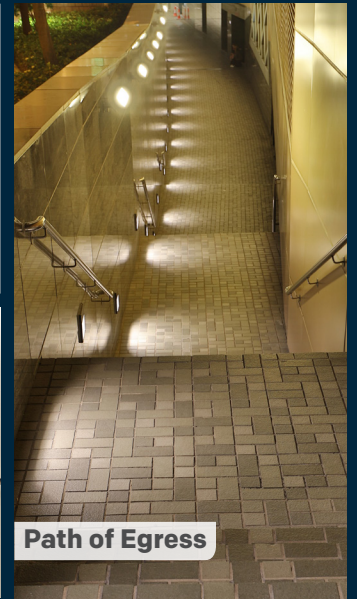
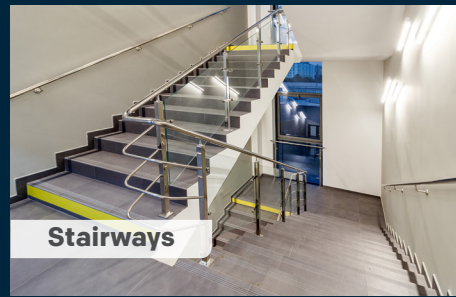


# ILLUMINATOR SERIES LVU

## Micro Inverters for Emergency Lighting



## WHY MYERS EPS?

Myers Emergency Power Systems has a long history of engineering the highest quality and most reliable backup power solutions in the industry. Myers EPS inverters provide emergency power to illuminate the path of egress during critical outages.

### Advanced Technology

Designed with Myers EPS' advanced Pure Sine Wave technology, the micro inverters provide direct AC power and full illumination to all lighting sources. With industry-leading efficiencies, they run cool and reduce the overall operating costs of emergency lighting systems.



### Unlimited Compatibility and Cost Savings

The efficient micro inverter products empower architects and engineers to fulfill emergency lighting requirements while using existing lighting for interior and exterior egress. As the industry continues to move towards low wattage LED sustainable solutions, the low initial cost and substantial long-term savings is changing how specifiers and building owners view the micro inverter market. Micro inverters are the emergency lighting solution of choice.

## EASY TO SPECIFY!

### Design Freedom!

There is no need to compromise when it comes to the design intent and aesthetics of a space. Specifying existing luminaires for emergency lighting by wiring an inverter directly to the luminaire eliminates bug-eyes and other unsightly products.

### Stay Brighter, Longer

When using micro inverters, all luminaires run at full lumen output during a power outage. Unlike battery packs, the photometric calculations are identical whether the unit is in normal or emergency use.

### Labor Savings

Automatic monthly and yearly testing saves thousands of dollars over the lifetime of an installation and keeps maintenance professionals from ever having to step foot on a ladder which reduces liability.

### The Ideal Retrofit Solution

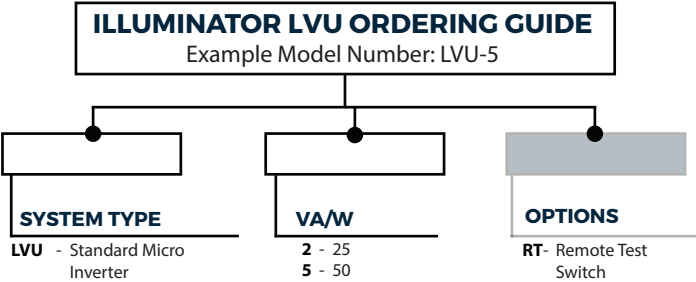
Stay up to code and out of sight.

The Illuminator Series LVU micro inverters are fully compliant and listed under UL-924 and tie directly into existing fixtures.



SPECIFICATIONS

ILLUMINATOR SERIES LVU POWER RATING		LVU-2; 25W	LVU-5; 50W
DIMENSIONS		L: 13 ¼" W: 5 ⅝" H: 1 ⅜"	L: 20 ¾" W: 5 ⅝" H: 1 ⅜"
WEIGHT		6 lbs	9.75 lbs
INPUT	INPUT VOLTAGE	Auto-Selected 120VAC - 277VAC, 1-Phase 2-wire +10% -15%	
	INPUT FREQUENCY	60Hz, +/- 3%	
	HARMONIC DISTORTION - VOLTAGE	< 10% THD (For resistive load)	
	SURGE PROTECTION	Per UL-924 Standard	
OUTPUT	OUTPUT VOLTAGE	120VAC or 277VAC 1-phase 2-wire + ground (same as input feed)	
	OVERLOAD	Electronic current limit	
	OUTPUT FREQUENCY	60Hz +/- .10Hz During emergency mode	
	LOAD POWER FACTOR	.5 Lead to .5 lag	
	INVERTER OVERLOAD	150% for 2 seconds, 115% continuously	
	OUTPUT TYPES	Normally-On, Normally-Off or Switched	
	CREST FACTOR	5	
	RUN TIME	Standard 90-minute run time	
BATTERY	BATTERY TYPE	Nickel Cadmium	
	CHARGER	Current limited charger based on battery specification (recharge time maximum 24HR)	
	PROTECTION	Automatic low-battery disconnect; Automatic restart upon utility return	
	DISCONNECT	External Connector	
ENVIRONMENTAL	ALTITUDE	< 10,000 feet (above sea level) without derating	
	OPERATING TEMPERATURE	Inverter: 32° to 122°F (0° to 50°C); Battery: 32° to 122°F (0° to 50°C)	
	STORAGE TEMPERATURE	-4° to 158°F (-20° to 70°C) (Electronics only)	
	RELATIVE HUMIDITY	< 95% (Non-condensing)	
GENERAL	DESIGN	Line interactive PWM inverter, high frequency switching technology with transfer time of 250ms	
	GENERATOR INPUT	Compatible with generators (2.5kVA or larger)	
	INDICATOR LIGHTS & SWITCH	Multi-function LED & Test switch	
	WARRANTY	5 Year standard warranty on all parts including batteries	
PHYSICAL	CASE	Mechanical package with mounting flanges and two mounting holes on each end	
	COOLING	Convection cooled	
	CONNECTION	36" Flexible conduit tail	
	AGENCY APPROVAL	UL 924: Fully compliant & listed under UL 924 (Emergency Lighting and Power Equipment); Damp Location Rated; Plenum Rated; CEC Title 20 Approved	



For more information about Myers Emergency Power Systems and our wide array of products, please contact us at 610-868-3500 or visit [www.myerseps.com](http://www.myerseps.com).

