

## Lighting Inverter Illuminator LVM Series with 0-10 Volt Dimming Option



LVM 110VA



LVM 225VA

The Illuminator LVM Series of Lighting Inverters with the 0-10 Volt Dimming Option allows users to control the brightness of the fixtures being used for emergency lighting. By dimming the level of output, more fixtures can be tied to the inverter. Speak to one of our knowledgeable product experts to learn more about how Myers EPS helps you illuminate the path to safety.

### FEATURES

- UL-924 Listed
- UL-924 Testing & Diagnostics
- True Sine Wave Output
- Recessed / Wall Mounted
  - (Grid Mount - Plenum Rated Cabinet Is Not Available With The 0-10V Dimming Option)
- 2ms Transfer Time
- Three Times Let Through Power
- Dimming Output Voltage
- 16 Dim Levels
- Dimming On Utility / Inverter

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).

Illuminator LVM SERIES		
	110VA	225VA
<b>PHYSICAL</b>		
CABINET	Wall Mount / Recessed or T-Grid (Plenum Rated) <sup>1</sup>	
DIMENSIONS	Wall / Recessed - H: 14 3/4" W: 16 1/4" D: 4 1/4"	H: 23 1/4" W: 16 1/4" D: 4 1/4"
WEIGHT	Wall / Recessed: 20 LBS.	Wall / Recessed: 26 LBS.
COOLING	Convection Cooled	
CABLE ENTRY	Top or Side	
ACCESS	Front	
<b>INPUT</b>		
VOLTAGE	120 or 270VAC 1 Phase 2-Wire +10%-15%	
FREQUENCY	60Hz + / - 3%	
SYNCHRONIZING SLEW RATE	1Hz Per Second Nominal	
PROTECTION	Fuse	
HARMONIC DISTORTION	< 10% For Resistive Load	
<b>OUTPUT</b>		
VOLTAGE	120 or 270VAC 1 Phase 2-Wire	
STATIC VOLTAGE	Load Current Change + / - 2%, Battery Discharge + / - 12.5%	
DYNAMIC VOLTAGE	+ / - 10% For Load Step Change, Recovery Within 5 Cycles	
HARMONIC DISTORTION	< 3% THD For Linear Load	
OVERLOAD	Input Fuse Protected On AC Mains And Timed Overcurrent During Inverter Operation	
OUTPUT FREQUENCY	60Hz + / - .05Hz During Emergency Mode	
LOAD POWER FACTOR	.5 Lag to .5 Lead	
INVERTER OVERLOAD	110% Continuously, 150% For 60 Seconds, 250% For 2 Seconds	
OUTPUT TYPES	Normally On, Normally Off or Switched	
CREST FACTOR	2.8	
RUN TIME VS. OUTPUT (MINUTES / WATTS)	120 / 80 180 / 55 240 / 45	120 / 175 180 / 120 240 / 95
<b>BATTERY</b>		
TYPE	Valve Regulated Sealed Lead Calcium	
CHARGER	Micro-controller, 3-Stage Charger (Recharge In 24 Hours)	
PROTECTION	Fuse Protection And Automatic Low-Battery Disconnect; Automatic Restart Upon Utility Return	
DISCONNECT	Quick Disconnect Terminal	
<b>ENVIRONMENTAL</b>		
ALTITUDE	< 10,000 ft Above Sea Level Without Derating	
OPERATING TEMPERATURE	Inverter: 0°C - 40°C (32°F - 104°F); Battery: 20°C - 30°C (68°F - 86°F) Per UL-924	
STORAGE TEMPERATURE	-20°C - 70°C (-40°F - 158°F) (Electronics Only)	
RELATIVE HUMIDITY	< 95% Non-Condensing	
<b>GENERAL</b>		
DESIGN	2ms Transfer Time	
GENERATOR INPUT	Compatible With Generators (10kVA Or Larger)	
INDICATOR LIGHTS & SWITCH	AC Present, Charging, Ready, Inverter and Test Switch	
ALARM CONTACTS	Summary Fault Form "C"	
WARRANTY	Standard Warranty: 3-Year Includes All Parts; Up to 10-Year Prorated Battery Warranty Optional Warranty: Extended Warranties, Preventative Maintenance and/or Customized Service Plans	
FACTORY START UP	Optional	

### ORDERING GUIDE

Example: **1-LVM-1-D**, 120VAC, LVM Series Inverter, Input/Output 110VA, With The 0-10V Dimming Option

INPUT/OUTPUT VOLTAGE	SERIES	VA/W	OPTIONS	ACCESSORIES
1 - 120VAC	LVM - ILLUMINATOR LVM	1 - 110	G - Grid Mount (Plenum Rated)	RT - Remote Test Panel
2 - 277VAC		2 - 225	W - Wall Mount Bracket	
			D - 0-10V Dimming <sup>1</sup>	

<sup>1</sup>0-10V Dimming Not Available With Grid Mount Option

