

# ILLUMINATOR LVU-50VA

## Emergency Inverter Series



The Illuminator LVU Series of micro inverters is an easy solution for emergency power needs. Designed with Myers EPS' advanced Pure Sine Wave technology, the micro inverters provide direct AC power and full illumination to all lighting sources including LED, fluorescent, and incandescent. With an ultra-wide .5 lead to .5 lag load power factor range, Myers EPS inverters offer unmatched compatibility, allowing existing fixtures to be used for both normal operation and emergency lighting without affecting the aesthetic design of the space.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## ELECTRICAL SPECIFICATIONS

### INPUT

Input Voltage.....Auto Select 120-277V, 1-phase 2-wire +10% -15%  
 Input Frequency.....60Hz. +/- 3%  
 Max Input Rating.....66VA  
 Max Input Current.....0.55 amps at 120V or 0.24 amps at 277V  
 Harmonic Distortion.....<10% for resistive load

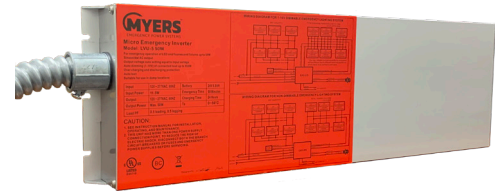
### OUTPUT

Output Voltage.....120 / 277V, 1-phase 2-wire + ground (same as input)  
 Frequency.....60Hz. +/- .05 Hz. during emergency mode  
 Load Power Factor.....0.5 leading to 0.5 lagging  
 Inverter Overload.....150% for 2 seconds, 115% continuous  
 Output Types.....Normally On, Normally Off or Switched  
 Crest Factor.....5  
 Auto Dimming.....Automatically dims to maintain power output<sup>1</sup>

### OTHER

Compatible Light Sources.....LED, Fluorescent, Incandescent  
 Transfer Time.....250 milliseconds  
 Minimum Emergency Operation.....90 minutes  
 Operating Temperature Inverter.....0° - 50° C; 32° - 122° F  
 Operating Temperature Battery.....0° - 50° C; 32° - 122° F  
 Battery.....NiCd  
 Warranty.....5-Year standard warranty

<sup>1</sup>If 0-10V dimming wires are connected, the unit automatically dims to maintain power output within rating.



**ILLUMINATOR LVU-5**  
 Emergency Inverter Series  
**50VA**

## FEATURES

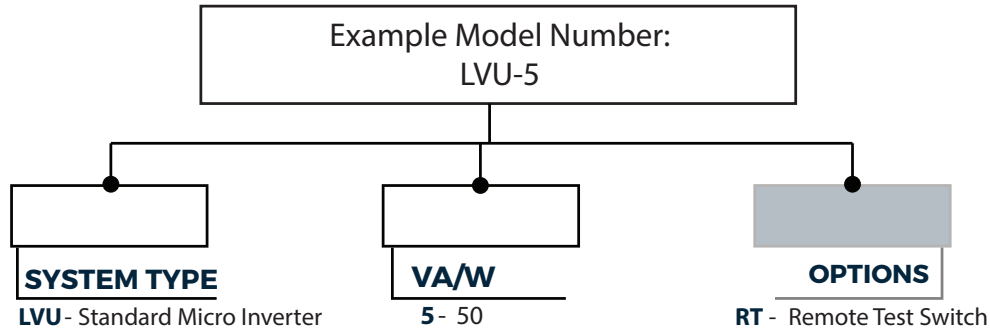
- PWM/MOSFET Pure Sine Wave inverter technology
- Self-testing and self-diagnostics
- High crest factor and inrush capabilities
- Compatible with all light sources including LED, Fluorescent and Incandescent
- Ultra-wide power factor range from .5 leading to .5 lagging
- UL 924 Listed, Damp Location Rated, Plenum Rated, CEC Title 20 Approved
- Remote Mount - No distance limitations depending on wattage and wire selected
- High efficiencies, runs cool, no fans required
- Output options Normally On, Normally Off or Switched
- Auto-selected input
- Indicator lights for charger, alarm function and test switch
- 5-Year warranty on all parts including batteries



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 Specifications subject to change without notice.



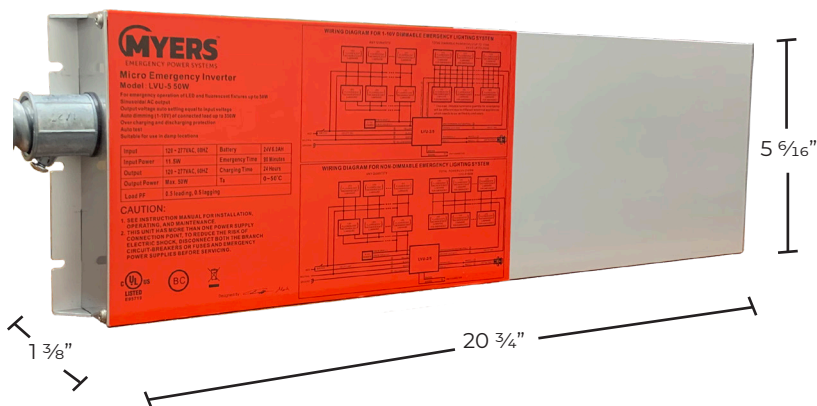
# ORDERING GUIDE



= Required feature for part number.  
 = Optional feature. Not required for part number.



## DIMENSIONS



### The unit can be mounted in any direction

#### Clearances

Top: 1"  
 Sides: 1"  
 Front: 1"  
 1" Clearance is recommended to allow the natural dispersion of heat

#### Weight

9.75 lbs

#### Conduit

36" Flexible Conduit Tail  
 Fits 7/8" Diameter Conduit Hole With Connector