

ILLUMINATOR LVU-25VA

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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

ELECTRICAL SPECIFICATIONS

INPUT

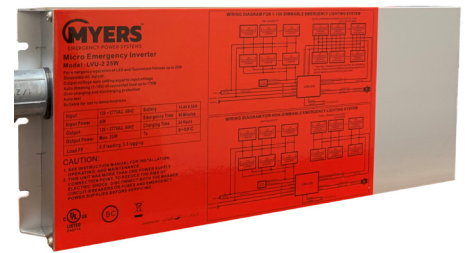
Input Voltage.....Auto Select 120-277V, 1-phase 2-wire +10% -15%
 Input Frequency.....60Hz. +/- 3%
 Max Input Rating.....33VA
 Max Input Current.....0.28 amps at 120V or 0.12 amps at 277V
 Harmonic Distortion.....<10% for resistive load

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 output¹

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



ILLUMINATOR LVU-2
 Emergency Inverter Series
25VA

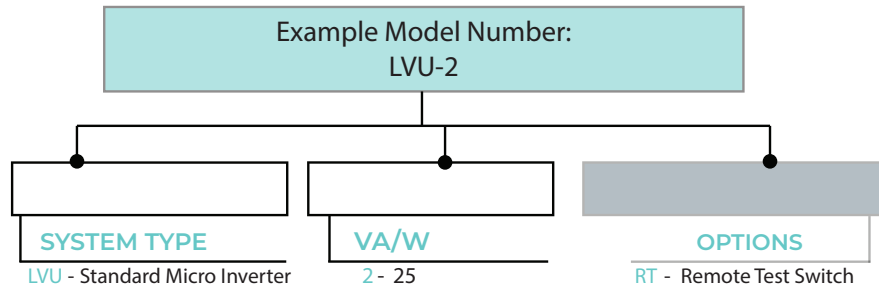
¹If 0-10V dimming wires are connected, the unit automatically dims to maintain power output within rating.

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



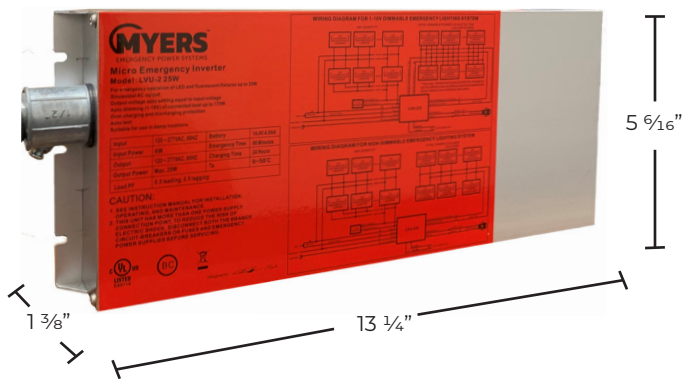
ORDERING GUIDE



- = 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

6 lbs

Conduit

36" Flexible Conduit Tail
Fits 3/8" Diameter Conduit Hole With Connector