INV Series
Mini Inverter Systems

Sure-Lites mini inverters are designed using innovative emergency lighting technology with durable and reliable inverter system design. The INV Series delivers maximum illumination for LED, fluorescent, incandescent, and HID loads from one convenient supply in egress applications that other emergency options can’t match.

Features:
• UL 924 Listed
• Valve Regulated Lead Acid (VRLA) battery provides long life and is maintenance-free.
• Line Voltage allows for remote mounting of emergency fixtures at distances of 1,000 feet.
• Low Voltage Disconnect and Line Latch Protection features.
• Meets or exceeds all National Electrical Code and Life Safety Emergency Lighting requirements.
• Durable steel design with powder-coat finish.
• Three-year warranty with seven-year pro rata battery warranty.

125 Watt
INV125CI (Ceiling Mount)
- Dual voltage 120V/277V 60Hz
- Operates fluorescent, LED, and incandescent fixtures including fixtures with dimmable fluorescent ballasts
- Typical loading 80%

125 Watt
INV125SI (Surface Mount)
- Dual voltage 120V/277V 60Hz
- Operates fluorescent, LED, and incandescent fixtures including fixtures with dimmable fluorescent ballasts
- Typical loading 80%

350 Watt
INV350SU
- Uninterruptible sine wave output
- 120V 60Hz
- Operates HID, LED fluorescent, and incandescent fixtures
- Typical loading 80%

375 Watt
INV375SILED
- For harsh LED load requirements
- Dual voltage 120V/277V 60Hz
- Designed to operate multiple LED fixtures, including dimmable LED drivers, and accommodate varying in-rush requirements
- Capable 100% loading

550 Watt
INV550SI
- Dual voltage 120V/277V 60Hz
- Operates incandescent, LED, and fluorescent fixtures including fixtures with dimmable fluorescent ballasts or LED drivers
- Typical loading 80%

Compatible Lamp Types

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<tr>
<th>Lamp Types</th>
<th>Fluorescent</th>
<th>Incandescent</th>
<th>LED</th>
<th>HID</th>
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Cooper Lighting
by Eaton
Advantages to Using Inverters

- Delivers line voltage to fixtures eliminating LED compatibility issues between drivers and the emergency system.
- Addresses outdoor egress requirements by operating bollards, step lights and hand rails remotely up to 1,000 feet away and can be installed in a climate controlled environment away from inclement weather.
- Remodel and retrofit - utilize existing lighting in a space which eliminates the need for additional emergency lighting equipment.
- Decorative lighting - wall sconces and pendants have space restrictions which preclude the use of integral battery packs.
- Centralized testing - monthly testing from the inverter makes it simple to comply with the requirements of Life Safety Code and local regulations.
- Flexible run times - max load sizes are calculated to achieve required 90 minute run time. The run time can be increased by decreasing the load size.
- Full light output - The inverter operates fixtures on the load with line voltage for a 90 minute duration. This gives optimum illumination from all the fixtures and achieves required foot candles along the path of egress including areas with elevated ceilings and high bay fixtures.

Ideal solutions for multiple emergency lighting applications

Stairwells
Operates multiple fixtures in a building’s stairwell and can be wired to bypass dimmers or occupancy sensors keeping your egress corridors lit without sacrificing your facility’s energy-saving controls.

Outdoor Egress
Installs within the interior and is unaffected by exterior conditions. Illuminate walkways, handrails, steplights, or bollards remotely up to 1000 feet.

High Atrium Ceilings
Perfect for vaulted or high atrium ceilings in lobbies, foyers, and other critical points of egress.

Decorative Fixtures
Hospitality and restaurant applications can utilize existing decorative fixtures for emergency lighting in place of unattractive wall-mount fixtures. In addition, the INV inverter will operate LED fixtures on the emergency circuit regardless of voltage or wattage.

High Bay Applications
High bay fixtures can take advantage of the INV Inverter’s full light output. Use the ‘no break’ capability of the INV350SU to keep HID fixtures operating.

NFPA Life Safety Code
- One foot candle along path of egress
- 90 minute operation
- Includes outdoor path of egress
- Monthly and annual testing

Options to meet the Life Safety Code requirements
- Generators
- Wall mounted, battery powered emergency lights
- Integral battery packs
- Inverter systems