

# LiteGear®

Compact Central LIGHTING INVERTERS  
125VA - 1150VA Inverters for Emergency Egress Lighting

## Product Guide

AUTHENTIC LIFE SAFETY PRODUCTS SINCE 1940



# LiteGear®

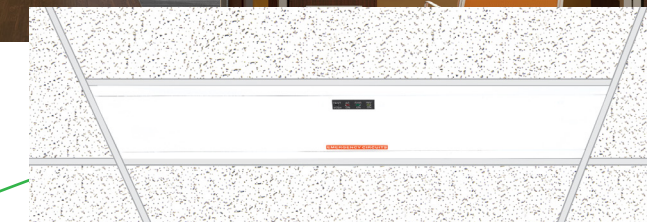
Dual-Lite's LiteGear® compact central lighting inverters provide emergency AC power to existing indoor and outdoor lighting fixtures.

## FEATURES

- True Sine Wave Output mitigates the effects of inrush current
- 1000 feet wiring distance between inverter and load
- Powers LED, Compact Fluorescent, Linear Fluorescent and Incandescent Lamp Types
- Operates normally on, normally off, or switched loads
- Surface Wall, Recessed Wall, and Recessed T-grid Ceiling mounting for the 125VA LiteGear®
- 90 minutes of emergency power for full load operation
- Self Testing/Self Diagnostics available with 250VA-600VA versions
- Adjustable Output version distributes dimmed output across larger loads
- UL924 Compliant
- UL Plenum rating on Recessed T-grid Ceiling Model

Available with 125VA - 1150VA capacity, Dual-Lite's LiteGear® compact central lighting inverters provide emergency AC power to existing indoor and outdoor lighting fixtures. The LiteGear® series is compatible with LED, incandescent, compact fluorescent and linear fluorescent lamped fixtures. As opposed to traditional battery packs, a LiteGear® inverter provides full light output for 90 minutes providing a brighter path of egress, and centralizes the maintenance of these fixtures to one convenient location.

Alternatively, the LiteGear adjustable output (-AO) versions, with two or four emergency circuits, work with 0-10V dimmer controls to eliminate the need for additional bypass devices or separate inverters for each switched load. Both circuits are user-programmable to operate the connected fixtures at approximately 25%, 50%, 75% or 100% of nominal output during emergency mode.



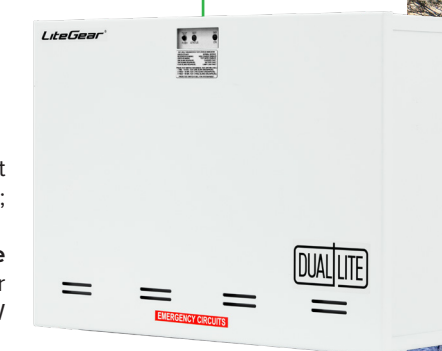
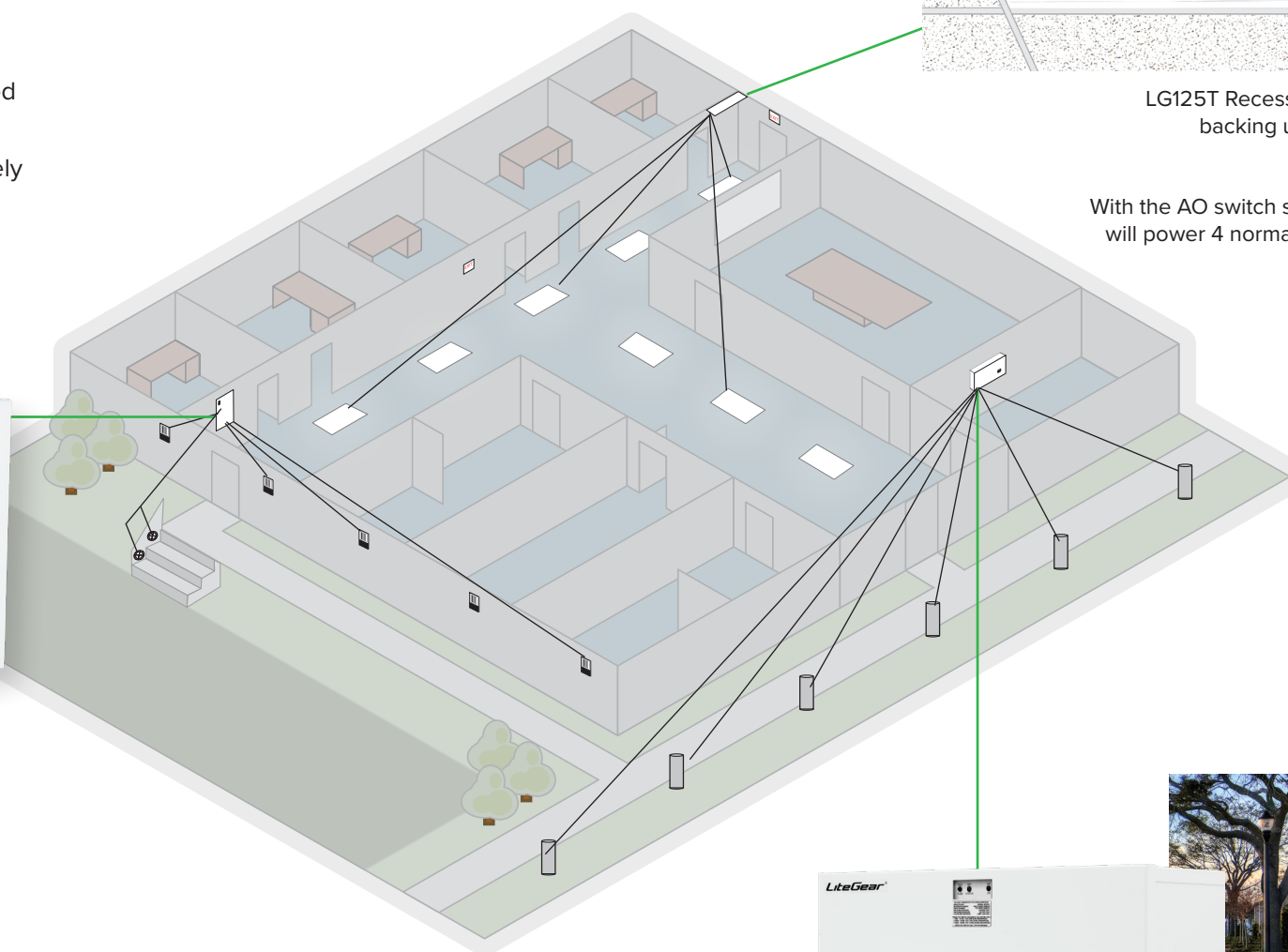
LG125T Recessed T-Grid Ceiling Unit backing up indoor LED fixtures;

**Example**  
With the AO switch set to 75%, the LG125T will power 4 normally 35W troffers for 90 minutes at 26.25W



LG125S Surface Wall Mount or LG125R backing up outdoor steplights and wall packs

**Example**  
With the AO switch set to 50%, the LG125 will power 6 normally 30W LED lamps for 90 minutes at 15W



LG250SI Surface Wall Mount Unit backing up outdoor bollards;

**Example**  
With the AO switch set to 100%, the LG250 will power 6 normally 31W LED lamps for 90 minutes at 31W



# FEATURES

**LiteGear**<sup>®</sup>

THE COST-EFFECTIVE, EFFICIENT, CONVENIENT WAY TO PROVIDE EMERGENCY AC POWER TO INDOOR OR OUTDOOR FIXTURES

**AESTHETIC APPEAL**

Allows use of existing AC Lighting

**FULL LUMEN OUTPUT**

Provides highest possible emergency illumination with fewer fixtures for code required 90 minutes

**LOW MAINTENANCE**

One centralized location and longer battery life than typical unit equipment

**ZONE OF EGRESS**

Provides emergency power for several fixtures in a defined area

**OUTDOOR APPLICATIONS**

Indoor storage protects emergency system from the elements for use with outdoor fixtures

**ADJUSTABLE OUTPUT (AO)**

Two or four emergency circuits, work with 0-10V dimmer controls to eliminate the need for additional bypass devices

Self-Test circuitry reduces maintenance costs

Temperature compensated charger extends battery life

Adjustable Output option supports 0-10V dimming

Status monitoring panel and momentary test switch

AC line fuses provide output protection

LG250SI-AO Surface Wall Mount



DC input switch isolates and protects batteries

Custom designed transformer for increased efficiency

DC battery fuse provides overload and short circuit protection

Durable tri-barrier terminal strips

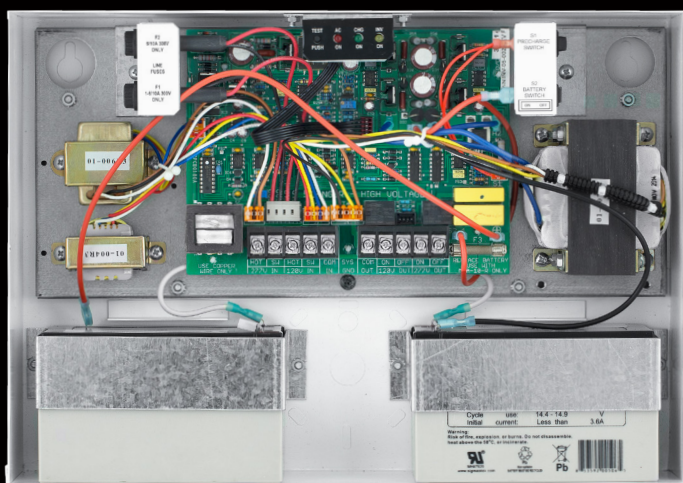
Long-life, maintenance-free Sealed Lead Acid (SLA) batteries

## PRODUCT SELECTOR



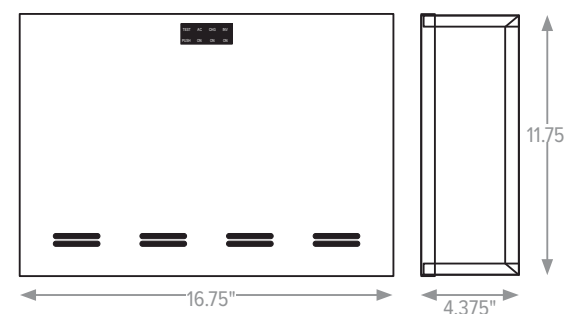
Model Number	LG125T LG125T-AO	LG125S LG125S-AO	LG125R LG125R-AO	LG250S LG250SI LG250S-AO	LG375S LG375SI LG375S-AO LG375SI-AO	LG600S LG600S-AO	LG750SI LG750SI-AO	LG950SI LG950SI-AO	LG1150SI LG1150SI-AO
Input, Output Voltage	120/120 or 277/277								
Enclosure Style	Recessed Ceiling T-Grid	Surface Wall Mount	Recessed Wall Mount	Surface Wall Mount					
Total VA For 90 Minutes	125	125	125	250	375	600	750	950	1150

LG125S Surface Wall Mount

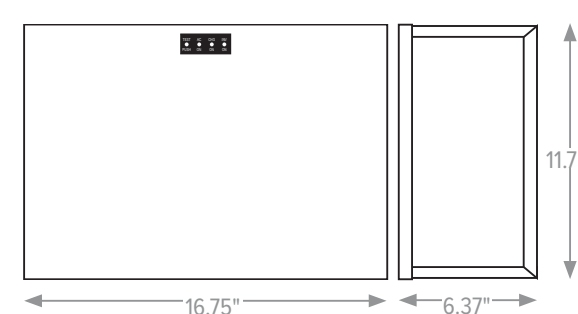


## DIMENSIONS

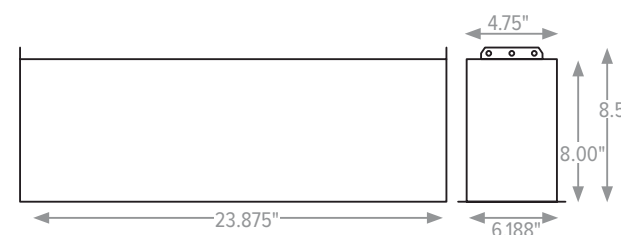
LG125S Wall Mount Surface Model



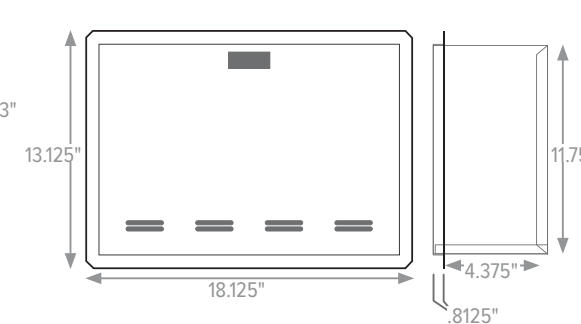
LG250S and LG250SI Wall Mount Surface Models



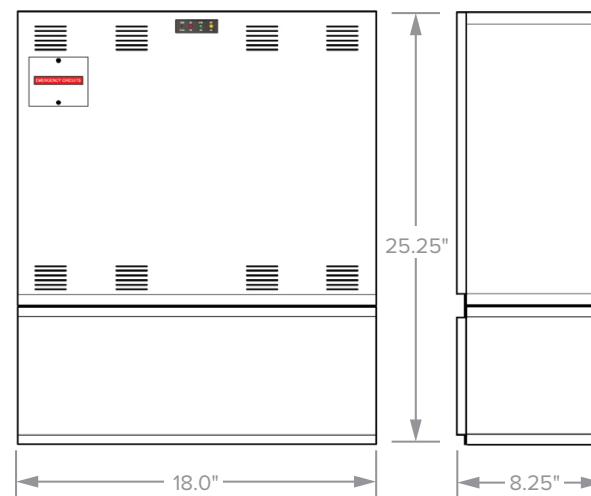
LG125T Recessed Ceiling T-Grid Mount Model



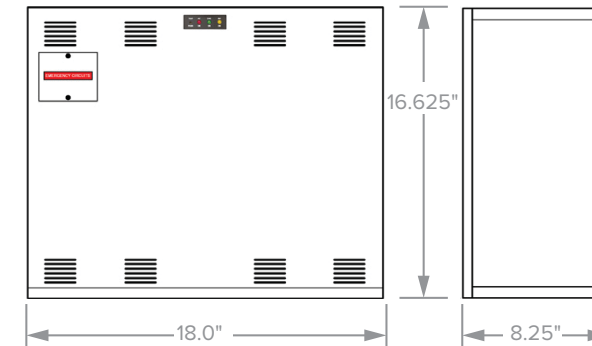
LG125R Recessed Wall Mount Model



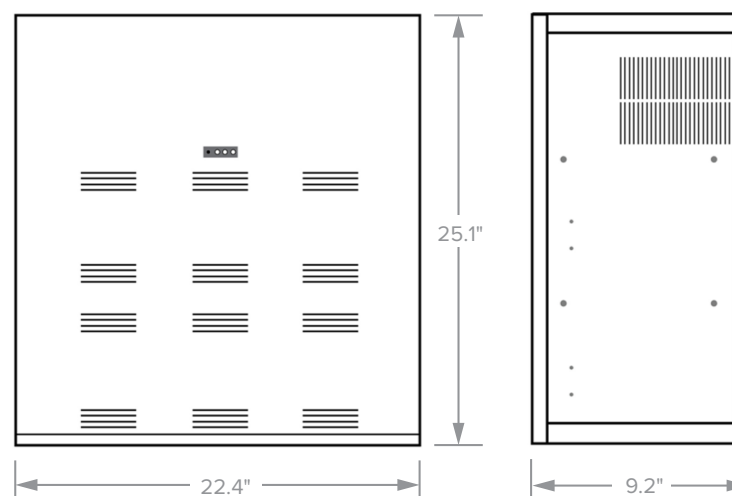
LG600S Wall Mount Surface Model



LG375S Wall Mount Surface Model



LG750/950/1150 Wall Mount Surface Model



## ORDERING GUIDE

LG Model	Capacity	Mounting	Self-Diagnostics	Options	Accessories (Order Separately)
LG Litegear® Central Lighting Inverter	125 125VA/110W 250 250VA/220W <sup>3</sup> 375 375VA/W 600 600VA/W 750 750VA/W 950 950VA/W 1150 1150VA/W	S Surface Wall R Recessed Wall <sup>1</sup> T Recessed Ceiling T-Grid <sup>1</sup>	Blank None I Self Testing/Diagnostics <sup>2</sup>	Blank None AO Adjustable Output (4 - levels) <sup>4</sup> CB 10A Output Circuit Breakers <sup>5,6,7</sup>	RTSLP Remote Test Switch

Notes:

- 1 Only available on 125W/110W version
- 2 Not available on 125W/110W version
- 3 Housing (93098085) and batteries (93068259) ship in separate cartons  
LG250 series (all variations) ship with housing and batteries in separate cartons
- 4 2 output circuits on 250VA/220W versions; 4 output circuits on 375W, 600W, 750W, 950W, and 1150W versions
- 5 Only available on 375W, 600W, 750W, 950W, and 1150W versions  
2 circuit breakers on 375/600. 6 circuit breakers on 750/950/1150
- 6 Maximum loading of each circuit must be 1,035 watts or less.
- 7 15A branch circuit max.



**Current Lighting Solutions, LLC**

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[currentlighting.com/dual-lite](https://www.currentlighting.com/dual-lite)

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