

# IIS-125



IIS-125-CG



IIS-125-SM

**GRID OR SURFACE**  
MOUNTING SOLUTIONS

**DR** DIMMING RELAY  
OPTION AVAILABLE

IOTA's **IIS-125** Inverters are UL Listed stand-alone simulated sine wave output inverters designed to provide power to designated emergency lighting fixtures. In a power loss situation, the **IIS-125** will supply **125W** of power from the onboard battery supply. **IIS-125** inverters work in conjunction with incandescent, LED, and fluorescent lamp and fixture types and will automatically run switched, normally-on, or normally-off designated emergency fixtures. The **IIS-125** is available in two mounting styles: a ceiling grid configuration (**IIS-125-CG**) and a surface mount design (**IIS-125-SM**). IOTA's 125W inverter models come with a three-year warranty and seven-year pro-rata battery warranty.

## TECHNICAL SPECIFICATIONS

Input Voltage .....	(Dual) 120/277V, 60Hz
Input Rating (bulk) .....	150 Watts
Output Voltage .....	(Dual) 120/277V, 60Hz
Output Power .....	125 Watts
	at .9 leading to .9 lagging PF
Lamps Operated.....	LED, Fluorescent, Incandescent
Transfer Time.....	less than 50 milliseconds
Emergency Operation .....	90 minutes
Voltage Regulation (emergency) .....	+/- 10%
Frequency Regulation (emergency) .....	+/- 3%
Load Power Factor Range .....	.9 leading to .9 lagging
Operating Temp .....	20° to 30° C
Battery .....	Valve Regulated Lead Acid (VRLA)
Weight .....	(IIS-125-CG) 42.5 lbs.
	(IIS-125-SM) 46.0 lbs.
Approval .....	UL 924 Listed



## OPERATES:



FLUORESCENT



LED



INCANDESCENT

## FEATURES

- Emergency lighting supplied from one convenient source
- Operates incandescent, LED, and fluorescent fixtures including fixtures with dimmable fluorescent ballasts
- Two available mounting options
- Includes momentary contact test switch, yellow ready indicator, green inverter-on indicator, and red charging indicator
- Dual voltage 120/277 60Hz
- Replaceable output fuse protection
- High efficiency modified sine wave inverter
- Variable-rate, temperature-compensated charger
- Valve Regulated Lead Acid (VRLA) battery provides long-life and is maintenance free
- Line voltage allows for remote mounting of emergency fixtures at distances up to 1000 feet
- Low Battery Voltage Disconnect
- Line Latch Protection
- Allows for operation of switched fixtures
- Dimming Relay option for dimming control applications
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- Durable 18 gauge steel housing design with white semi-gloss powder-coat paint finish
- 3/7 Pro-Rata Warranty

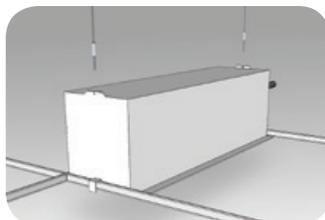
**ORDERING GUIDE**

Use the Ordering Guide below to determine the Catalog # of the model required for your application.

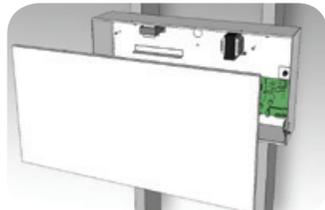
**IIS-125-**



**CG Ceiling Grid** model mounts across the 2-foot T-bars of a grid ceiling. Support wires are connected to the mounting tabs at the top of the unit and secured to the building framework. Knock-outs are located on one end of the unit for connecting conduit containing the AC supply and fixture leads. A 1.25 inch flange on either side provides support for the re-sized ceiling tile.



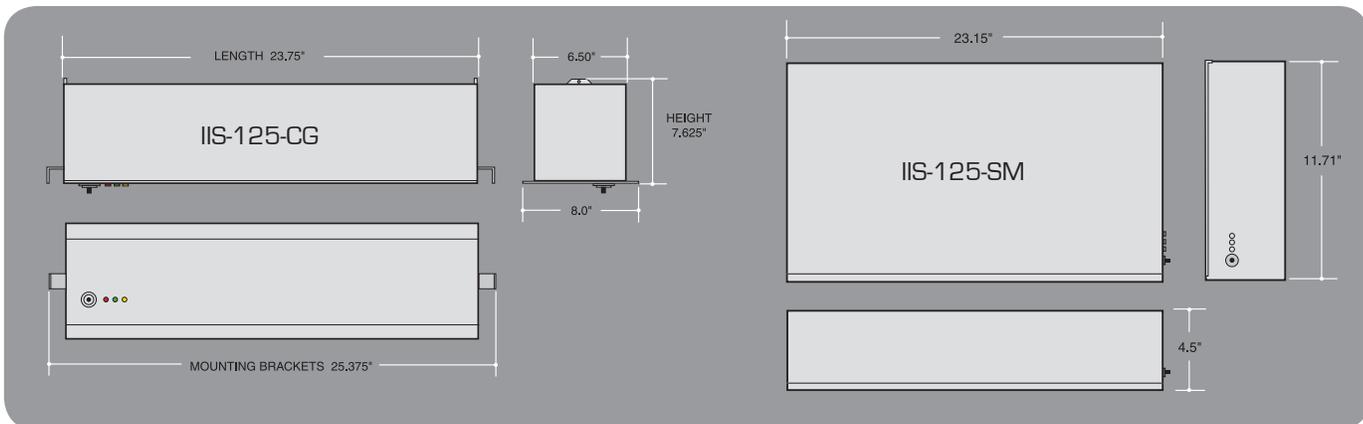
**SM Surface Mount** model installs directly to the wall. Keyhole slots at the back of the unit are spaced for secure mounting to the wall's unistrut or studs. Knockouts provide rear or side access for connection of wiring conduit. An additional hole is provided to prevent inadvertent lifting of the unit from the keyholes.



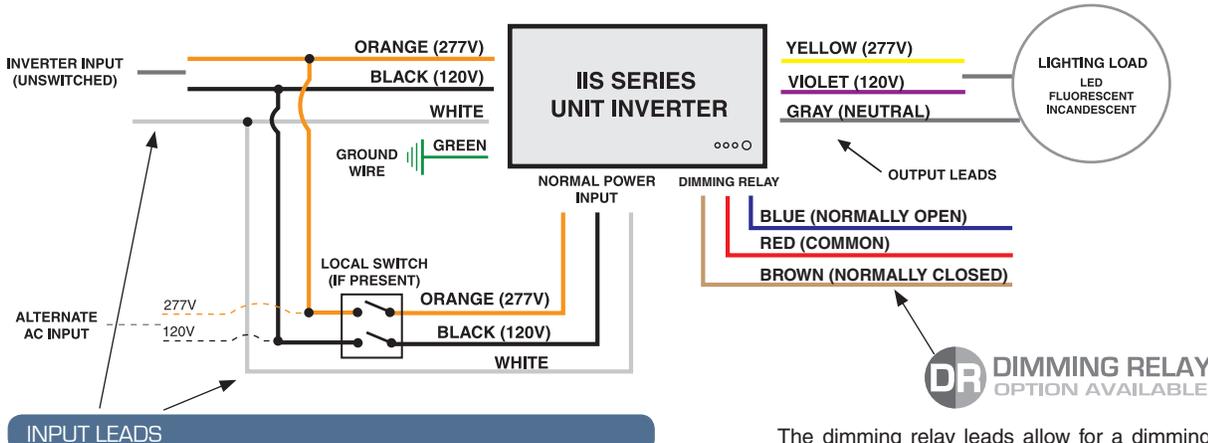
**DR Dimming Relay** (Optional) Refer to Page 14 for DR application details.

**(Blank)** No Dimming Relay option.

**DIMENSIONS**



**WIRING**



**INPUT LEADS**

The IIS Inverter utilizes two sets of input leads: one to provide unswitched power to the inverter system and a second to serve as a normal power input to the lighting load. Any switch for the designated emergency circuit will be present on the Normal Power Input leads. For Emergency Operation Only applications, the Normal Input leads are not needed and would remain disconnected and capped.

The dimming relay leads allow for a dimming signal to operate the luminaires in the desired, dimmed state during normal operation. The IIS inverter will then bypass the dimming control to operate fixtures at full light output in the event of a loss of normal AC power. Additionally, if desired, the dimming leads can be wired to operate the luminaires at a reduced lumen output setting based on the dimmable driver(s) being used during emergency operation. Refer to Page 14 for details.