

# **Mini Inverter Series**

Interruptible unit equipment standard with non-audible improved self-diagnostics circuitry – 250W



# Construction

- 14 gauge steel
- White semi-gloss powder coat paint finish

## Mounting

Surface mount

## Lamp types operated

- LED
- Incandescent
- Fluorescent
- Operates switched, normally-on or normally-off fixture types, incandescent
- Incandescent, LED, fluorescent lamps and ballast combinations, including triac dimmable ballasts (consult factory if DALI dimming)<sup>1</sup>
- Consult your sales representative for high bay/after market LED lamp applications

## Load capacity

• 250W

**CENTRAL & INVERTERS** 

• Line voltage allows for remote mounting of the emergency fixtures at distances up to 1000 feet

## Electronics

- High efficiency pure sine wave inverter
- Temperature compensated charger
- Replaceable output fuse protection
- · Low battery voltage disconnect
- Unit comes standard with electronic lockout and brownout circuits

<sup>1</sup> When using high bay fixtures or screw-in type LED lamps, consult the factory.

## Controls

- Standard with a **non-audible** self diagnostic/charger is fully self-contained, fully automatic microcontroller based system
- Optional audible auto diagnostic available
- Standard lighting control override for 0-10V dimming systems

## Load shedding for 0-10V fixtures

- During a power outage the emergency fixture is dimmed to 25% or 45% factory set brightness output. Reducing wattage draw from the fixture will allow for more fixture to be connected to the mini inverter.
- Maximum 20 emergency fixtures can be daisy chained per LMIU-250

## **Nexus® Option**

 Units equipped with Nexus<sup>®</sup> self-testing monitoring system circuitry shall self-test, in accordance with NFPA101, Life Safety Code minimum 30 seconds every 30 days, and 90 minutes annually as well as keep a history of all testing logs, plus feature a real-time diagnoses, as well as, be able to locate exact fixture location while notifying service personnel to the status of the fixture via email notification. Nexus<sup>®</sup> system interface with an improved minimum load lost detection of 10%

## Sealed maintenance-free battery

- 12V oversized valve regulated lead-calcium (VRLA) battery
- Provides 90 minutes of emergency operation

### **Power requirements**

 Choice of voltage 120V in/120V out or 277V in/277V out operation, 60Hz

## Approvals

- UL 924 Standard
- Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements
- BC California Energy Commission Title 20

### Warranty (subject to proper installation and maintenance)

- Battery has a 3 year full, plus 7 year pro-rata warranty
- Unit has a three year warranty

Detailed warranty terms located at: www.lightalarms.com





Load	capacity
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Mini inverter		Voltoro		Mini invertor (	900/ appacity (M/) i	
LMIU-250		Voltage 120		With inverter @	2 80% capacity (W) i	n emergency mod
		Valtara		Miniimuantan	@ <b>70</b> %; <b>!</b>	
Mini inverter _MIU-250		Voltage 277		wini inverter «	2 70% capacity (W) i	n emergency mo
xample						
Mini inverter load	Fixture wattage (	(W) Fixture power	factor Equipment	safety factor	Voltage	Fixture quanti
LMIU-250		29	0.96	20%	120	
oad shedding						
Mini inverter load	Voltage		Load shedding	Mini inverter @	80% capacity (W) in	emergency mod
_MIU-250-LDC	120		25%			80
LMIU-250-LDC	120		45%			36
Mini inverter loa	d Voltage		Load shedding	Mini inverter @	70% capacity (W) in	emergency mod
LMIU-250-LDC	277		25%			70
LMIU-250-LDC	277		45%			31
xample						
Mini inverter load	Load shedding	Fixture wattage (W)	Fixture power factor	r Equipment safety f	actor Voltage	Fixture quanti
LMIU-250-LDC	25%	29	0.96	3	20% 120	
_MIU-250-LDC	45%	29	0.96	3	20% 120	
pecifications					Replacemer	nt battery
		Frequency regulation	Load powe			
Transfer time	on emergency	on emergency	factor range	e temperature	e Series	Part numb
			05014/			27 860 0024
	+/- 5%	60 Hz +/- 1%	250W model 0.9 leading to 0.9	68°F to 86°F		2X 860.0024
	+/- 5%	60 Hz +/- 1%		9 68°F to 86°F (20° to 30°C		2X 860.0024
1 second	+/- 5%		0.9 leading to 0.9	9 68°F to 86°F (20° to 30°C		2X 860.0024
1 second		ensions	0.9 leading to 0.9	9 68°F to 86°F (20° to 30°C	) 	
1 second		ensions C	0.9 leading to 0.5 lagging abinet dimensions	68°F to 86°F (20° to 30°C	) Weight N	2X 860.0024 Weight w/o batte 120V & 277
l second Electrical chara	cteristics and dime Sine wave Installati	ensions C	0.9 leading to 0.5 lagging abinet dimensions	9 68°F to 86°F (20° to 30°C	) 	Veight w/o batte 120V & 277
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<sup>3</sup>Service alarm contact (SAC) shall provide a 24V signal, the charger board will indicate a fault by choosing a contact.