



LOW CAPACITY MINI INVERTER SERIES

Interruptible Unit Equipment
32W or 55W



FEATURES

Housing

- Heavy-duty steel cabinet
- White baked on powder paint coating provides scratch and corrosion resistance

Mounting

- Surface mount
- Recessed T-Bar (plenum rated)

Lamp Types Operated

- LED
- Incandescent
- Fluorescent
- Operates switched, normally-on or normally-off fixture types, incandescent, LED, fluorescent and ballast combinations, including triac dimmable ballasts

Load Capacity

- 32W, 55W
- Allows for remote mounting of the emergency fixtures at distances of up to 1000 feet
- May accept load when load feature power factor range from 0.44 lead to 0.44 lag

Electronics

- True sine wave inverter
- Temperature compensated charger
- Low battery voltage disconnect
- Unit comes standard with electronic lockout and brownout circuits

Controls

- Control panel with momentary test switch, AC-On, Charger-On and Inverter-On LED indicators

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

- UL924 Standard
- Meets or exceeds all National Electric Codes and Life Safety Code Emergency Lighting Requirements

Warranty (subject to proper installation and maintenance)

- Unit has a 3 year full warranty (excluding lamps and fuses)
- Battery has a 3 year full, plus an additional 3 year pro-rata warranty

All Lightalarms® inverter products receive 100% quality inspection before shipment to insure proper and satisfactory operation.

SPECIFICATIONS

Supply and install Lightalarms® Low Capacity Mini Inverter Series.

Emergency lighting shall be provided by inverter unit equipment designed to operate designated incandescent, fluorescent and LED fixtures on emergency power at their full nominal lumen rating during the full 90 minutes of emergency discharge cycle. System output will be rated at _____ watts for 90 minutes. The system's voltage rating shall be 120 / 277 VAC input/output. The inverter unit shall allow for connected emergency fixture(s) to be normally-on, normally-off, switched or triac dimmable ballasts without affecting lamp operation during a power failure. Upon utility power loss, the inverter unit shall deliver 100% of its rated output to the emergency fixtures regardless of the local switch or dimmer position, and will provide power to emergency fixtures at distances of up to 1000 feet. The housing shall be manufactured with a white baked-on powder coat paint finish. The unit's electronics shall include a self-contained inverter section with a fully automatic, thermal compensating dual mode battery charger, AC lockout feature, low voltage battery disconnect, DC overload, short circuit and brownout protection as standard. The unit shall utilize a sealed Lead-Calcium battery with a 10-year design life. The inverter system shall be UL 924 Listed and labeled. The unit shall be covered under a 3-year warranty on the electronics and battery plus an additional 3-year pro-rata warranty on the battery.

Unit shall be Lightalarms® catalog number _____ .

SPECIFICATIONS
TRANSFER TIME Less than 1 second
VOLTAGE REGULATION ON EMERGENCY: +/- 5%
FREQUENCY REGULATION ON EMERGENCY: 60 Hz +/- 0.5%
LOAD POWER FACTOR RANGE: • 0.44 lead to 0.44 lag
OPERATING TEMPERATURE: 68° to 86°F (20° to 30°C)



TYPE _____

CATALOG # _____

NOTES _____

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ELECTRICAL CHARACTERISTICS & DIMENSIONS

SYSTEM TYPE	POWER RATING	SINE WAVE	INSTALLATION	CABINET DIMENSIONS			NO. OF BATTERY	WEIGHT
				W"	H"	D"		120V & 277V
LMILC32-S	32W/VA	Yes	Surface mount	14-3/4"	6-7/8"	3-1/8"	1	14 lbs
LMILC32-T	32W/VA	Yes	Recessed T-bar	23-7/8"	6-1/4"	4"	1	15 lbs
LMILC55-S	55W/VA	Yes	Surface mount	14-3/4"	6-7/8"	4-3/8"	1	18 lbs
LMILC55-T	55W/VA	Yes	Recessed T-bar	23-7/8"	6-1/4"	4"	1	19 lbs

NOTE: For wiring diagram, please refer to instruction sheets.

POWER CONSUMPTION AND UNIT RATING

MODEL NUMBER	INPUT RATING	EMERGENCY POWER AVAILABLE FOR LOAD (90MIN)
LMILC32	41W/VA	32W
LMILC55	64W/VA	55W

ORDERING INFORMATION

SERIES	CAPACITY	VOLTAGE IN/OUT	BATTERY TYPE	MOUNTING
LMILC	32= 32W/VA 55= 55W/VA	BLANK= 120/277VAC	BLANK= Lead-Calcium	-S= Surface mount housing -T= Plenum rated ceiling T-grid mount housing

EXAMPLE: LMILC32-S