

ELI-S-250

SineWave Emergency Lighting Inverter

PHILIPS bodine

A Division Of Philips Electronics North America Corporation

SineWave Inverter;
120/277 VAC, 60 Hz mini inverter;
90-minute runtime

Product Summary

UL Listed

Field Installation

Illumination Time

90 Minutes

Maximum Load Power

250VA

Full Warranty

Unit - 5 Years Full Coverage

Battery - 3 Years, Plus 7 Years Additional Pro-Rata

Input Voltage/Output Voltage

120/277 VAC, 60 Hz

Battery Charging Input Power

Approximately 70 W

Test Switch

Momentary

Battery

Maintenance-Free Sealed Lead Calcium

Recharge Time

72 Hours

Charging Indicator Light

LED

Temperature Rating (Ambient)

68° F to 86° F

(20° C to 30° C)

Dimensions

18.127" x 10.125" x 8.243"

(460 mm x 257 mm x 209 mm)

Weight

89 lbs. (40.37 kg)

Special Features

SineWave Output

Battery Quick Connect



APPLICATION

The Philips Bodine ELI-S-250 SineWave Emergency Lighting Inverter works in conjunction with LED fluorescent, or incandescent Lighting loads to create an emergency lighting system.* The ELI-S-250 supports a maximum load of 250 VA. They allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The unit consists of a sealed lead calcium battery, charger and electronic circuitry in one steel case. ELI-S-250 provides power to the input side of the fixture, including the ballast, and can be used with indoor or outdoor emergency fixture applications.

OPERATION

Upon failure of normal power, the ELI-S-250 instantly begins providing emergency power to the connected lighting load for a minimum of 90 minutes. It will support lumen output at 91% of the lamp's rating throughout the 90-minute duration. A solid-state low voltage disconnect circuit protects the inverter battery from severe damage by deep discharge during prolonged power failures. When normal power is restored, the automatic, temperature-compensated, variable-rate float charger begins recharging the battery. The battery capacity is fully restored in 72 hours. A brownout sensing circuit ensures proper operation during low line conditions.

INSTALLATION

The ELI-S-250 does not affect normal fixture operation and may be used with a switched or unswitched fixture. It is designed for surface mounting and may be installed up to 1000 feet from the emergency fixture.

UL AND CODE COMPLIANCE

The ELI-S-250 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for field installation. Emergency illumination exceeds the National Electrical Code (NEC) and Life Safety Code (NFPA-LSC) requirements.

Specifiers Reference

Project _____ Type _____ Model No. _____

Comments _____

L2300235

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ELI-S-250

SineWave Emergency Lighting Inverter

EMERGENCY ILLUMINATION

The ELI-S-250 supports 250 VA of emergency illumination for a minimum of 90 minutes. The unit will support lumen output at 91% of the lamp rating throughout the 90-minute emergency illumination period.

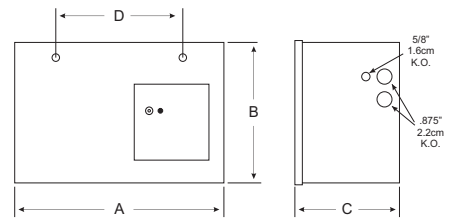
SPECIFICATION

Emergency lighting shall be provided by using emergency fixtures equipped with a Philips Bodine. The unit consists of sealed calcium battery, charger and electronic circuitry contained in one 18.127" x 10.125" x 8.243" (ELI-S-250) metal case. Solid-state indicator lights signal operational status. The inverter unit shall be capable of powering LED incandescent, or fluorescent lighting loads at not less than 91% of nominal lumen rating for a minimum 90 minutes regardless of local switch position. The ELI-S-250 shall support up to 250VA. It shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The inverter shall exceed emergency standards set forth by the current NEC. It shall be UL Listed for installation remote from the fixture and shall be warranted for a full 5 years from date of purchase.

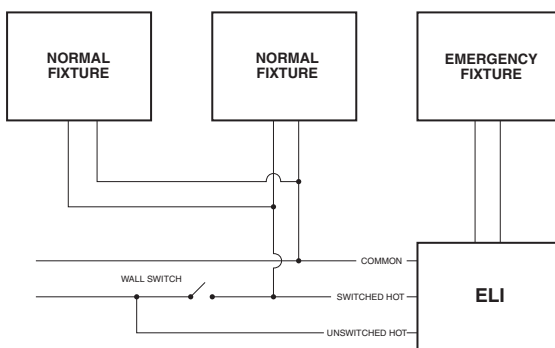
WARRANTY

Model ELI-S-250 is warranted for five (5) years from the date of purchase. This warranty covers only properly installed Philips Bodine emergency inverters used under normal conditions. For the warranty period, Philips Emergency Lighting will, at its option, repair or replace without charge a defective inverter, provided it is returned to the factory transportation prepaid and our inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the inverter.

Model ELI-S -250



Model	A	B	C	D
ELI-S-250	18.127"	10.125"	8.243"	12.974"
	46.0cm	25.7cm	21.0cm	33.0cm



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For the most current technical information and notices, please visit TechNotes on our website.