



ELI Series

Self-Diagnostic Emergency Lighting Inverters

The Philips Bodine ELI-100-SD and ELI-250-SD



Emergency Lighting Inverter

ELI-100-SD and **ELI-250-SD** Self-Diagnostic Emergency Lighting Mini Inverters provide emergency power for indoor and outdoor emergency lighting fixtures. The ELI units work with fluorescent, incandescent and LED lighting loads and, in compliance with code, support a minimum 90 minutes of emergency illumination.

Unlike fluorescent emergency ballasts, ELI mini inverters provide power to the input side of the fixture. This design eliminates compatibility issues. The **ELI-100-SD** supports up to 100 W, while the **ELI-250-SD** supports up to 250 W. They are designed for surface mount and can be installed up to 1000 feet from the fixture(s). Connected fixtures may be on, off, switched or dimmed.

Both the **ELI-100-SD** and **ELI-250-SD** feature self-diagnostic circuitry. This circuitry checks operating parameters during the start-up, standby and testing phases. If a fault is detected, the red fault indicator light flashes, alerting maintenance personnel that service is required.

ELI SD units automatically initiate 15-minute tests of emergency operation every 25-30 days. They do not utilize the lighting load (i.e., the emergency lamps) to cycle and test the battery. Instead, a built-in resistive load is employed.

When normal power fails, the mini inverters instantly begin providing emergency power to the connected lighting load. When normal power is restored, the inverter's automatic, temperature-compensated, variable-rate float charger begins recharging the battery. The battery is fully recharged in 24 hours.

Typical applications include fluorescent fixtures, wall sconces, downlights, wall packs, bollards and steplights.



ELI mini inverters provide emergency power for both indoor and outdoor applications. They are installed indoors and may be located up to 1000 feet from the fixtures they serve. Installing the **ELI** units indoors protects their batteries from extreme temperatures, which maximizes run time, prolongs battery life and reduces maintenance costs.



ELI SD units are ideal for schools, office buildings, theaters, hotels, shopping centers, restaurants, grocery stores, parking garages, stairways and many other locations.

ELI SD Emergency Lighting Mini Inverters at a Glance

- Power fluorescent, incandescent and LED fixtures for a minimum of 90 minutes, as required by emergency lighting code
- Support 100 W (ELI-SD-100) or 250 W (ELI-250-SD) applications
- Feature self-diagnostic operation
- Initiate 15-minute tests of emergency function every 25-30 days
- Alert maintenance personnel to fault conditions
- May be remote mounted up to 1000 feet
- Supply indoor and outdoor applications
- Designed for surface mount installation
- Allow fixtures to be on, off, switched or dimmed
- Provide initial power of 91% of inverter rating
- Provide fused output load connections
- Utilize solid-state, line-latched low-voltage disconnect to protect against battery deep discharge
- Include a brownout sensing circuit to ensure proper operation during low line conditions
- Feature a long-life, maintenance-free lead-calcium battery
- Include a momentary test switch
- Unit warranted for three full years; battery warranted for three years, plus seven years additional pro rata
- 120/277 VAC, 60 Hz
- UL Listed

Dimensions

ELI-100-SD

18-5/8" x 9-5/8" x 4-3/8" x 14-1/2"
(473 mm x 244 mm x 111 mm x 368 mm)

ELI-250-SD

18-5/8" x 10-1/8" x 8-1/4" x 13"
(473 mm x 257 mm x 210 mm x 330 mm)

Weight

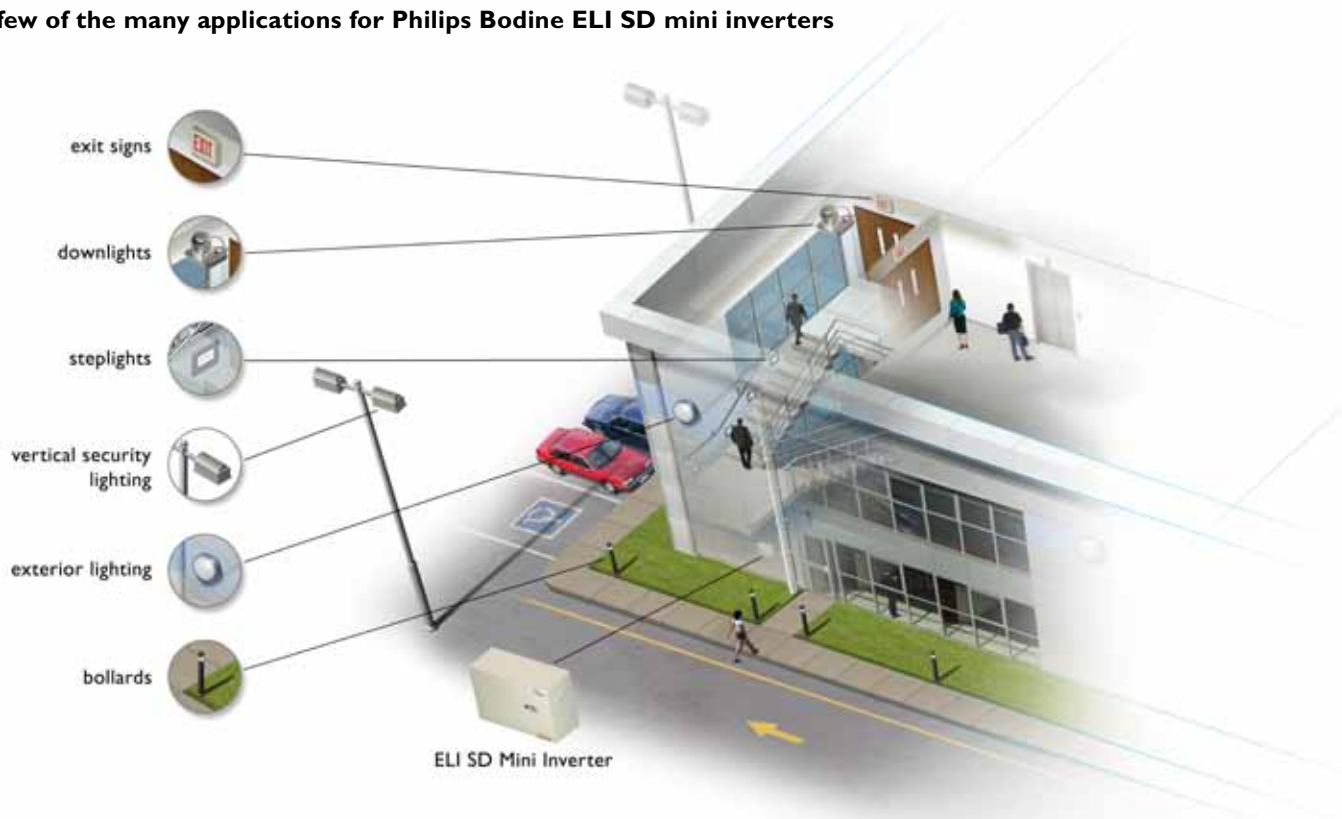
ELI-100-SD

37 lbs.
(16.78 kg)

ELI-250-SD

89 lbs.
(40.37 kg)

A few of the many applications for Philips Bodine ELI SD mini inverters



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