



Illuminator® Series E & IE

Emergency Lighting Inverter System

Single Phase 1.5 KW to 16.7KW

System Highlights

- ▶ Industry's smallest footprint – reduces floor space requirements.
- ▶ Designed to work with all of today's modern lighting loads.
- ▶ Central Inverters eliminate unit equipment in architecturally sensitive applications.
- ▶ Self testing and diagnostic per NFPA 101.
- ▶ Breakthrough design features one cabinet construction for systems up to 16,700 Watts!
- ▶ Front access batteries increase safety and reduce installation time by eliminating 90 percent of cabling.
- ▶ Internal output distribution eliminates external panels reducing installation costs.
- ▶ 3rd generation inverter with proven reliability.
- ▶ Modular construction allows field upgrade-ability and MTTR of less than 15 minutes.

Applications

- ▶ Outdoor Egress
- ▶ Airports
- ▶ Casinos
- ▶ City, County, State and Federal Buildings
- ▶ Hospitals
- ▶ Hotels, Motels
- ▶ Correctional Institutions
- ▶ Theaters, Office Buildings
- ▶ Parking Garages
- ▶ Railroad, Subway, Bus Stations
- ▶ Restaurants
- ▶ Retail Department Stores
- ▶ Schools, Colleges, Day Care Centers
- ▶ Shopping Malls
- ▶ Sport Facilities
- ▶ Tunnels and Bridges





The Illuminator Series IE is an interruptible lighting inverter. It transfers to inverter mode (battery power) when utility power is interrupted for more than one line cycle. This series is capable of supporting full capacity of normally off load. The series E is best suited for fluorescent and incandescent lighting loads and systems that require large lighting loads that are normally off (illuminate during emergency conditions).

The Illuminator Series E is an un-interruptible lighting inverter. It transfers to inverter mode (battery power) when utility power is interrupted for less than 1mS. The line interactive design eliminates excessive transfers to battery power. The series EL is best suited for HID lighting loads and systems that do not require large loads that are normally off (illuminate during emergency conditions).

STANDARD SIZES

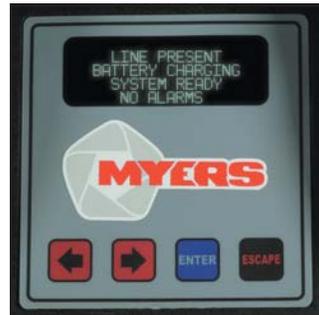
1,500W, 2,250W, 3,000W,
3,750W, 5,000W
(Footprint = 5.4 square feet)

6,000W, 8,000W, 10,000W,
12,500W, 16,700W
(Footprint = 8.7 square feet)



METER FUNCTIONS

- AC Voltage Input
- AC Voltage Output
- AC Current Output
- Battery Voltage
- Battery Current
- VA Output
- Inverter Watts
- Ambient Temperature
- System Days
- Inverter Minutes



PROGRAM FUNCTIONS

- Set Date
- Set Time
- Set Month Test Date/Set Month Test Time
- Set Yearly Test Date/Set Yearly Test Time
- Set Load Fault Reduction Setting
- Set Low Battery Alarm
- Set Near Low Battery Alarm
- Set Low AC Voltage Alarm
- Set High AC Voltage Alarm
- Set Ambient Temperature Alarm

MEMORY FUNCTIONS

- Test Log (100 Tests Stored)
- Event Log (100 Events Stored)
Date, Time, Duration, Output Voltage, Output Current, Ambient Temperature, Alarms Present (Yes/No)
- Alarm Log (100 Alarms Stored)
Date, Time, Alarm Type and Alarm Duration

STANDARD FEATURES

- 98% Efficient
- PWM/IGBT Technology
- Microprocessor Controlled
- UL924 and 924A
- Input Circuit Breaker
- RS232 Communications Port
- User Programmable with password protection
- Event, Alarm, and Test Logs
- Sealed Lead Calcium Front Access Batteries
- Keyed 3 point locking handle
- Generator Compatible

OPTIONAL FEATURES

- Internal Maintenance Bypass switch
- Summary Form C Contact
- Output Circuit Breakers
- Output Trip Alarms
- Fast Charge (12 Hours)
- Remote Meter Panel
- Fax Modem
- Seismic Mounting
- Extended Runtime
- Remote Summary Alarm



2000 Highland Avenue • Bethlehem, PA 18020
(610) 868-3500 • Fax (610) 868-8686