# LifeSafetyPower®

**FLEX**POWER **FPO150-B100D8E2**
150W / Multi purpose system
12V & 24V DC, 8 auxiliary outputs
4 - 8 Door Access Power

## Overview

This unit supports both 12V and 24VDC voltages by utilizing an FPO Power Supply/Battery Charger and B100 Secondary Voltage Converter. The FPO generates 24V, charges a battey set and provides primary power to the B100 module. The B100 steps 24V down to 12V for system use, allowing one 24VDC standby battery set to economically backup both voltages.

For access or lock power, the D8 provides eight fused outputs rated at 3A per output, each individually programmable for 12 or 24VDC.

**FLEX**POWER enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

## System Features

- ◆ **FPO offline power supply**
  - – 120 or 230 VAC input
  - – 12 and 24 VDC outputs
  - – On board Fire Alarm Interface
  - – Continuous and resettable DC
- ◆ **Distributed outputs**
  - – Eight Class II power limited at 2.5A each
  - – Programmable for either 12 or 24VDC
- ◆ **Expansion options**
  - – Increased power, multiple voltages
  - – Additional distribution outputs
  - – Network monitoring and reporting

## Enclosure Features

- ◆ **Labor saving design**
  - – Pre-wired FlexPower section
  - – Pre-formed knockouts
  - – Removeable backplate simplifies instal
  - – Pre-defined hole pattern for power section
  - – Access panels mount on predefined stud mounts - no drilling required
- ◆ **Other refinements**
  - – 4.5" enclosure depth fits 12Ah battery
  - – Wire management room
  - – Tamper switch, lock, dual key set standard

## Lifetime warranty



| Ordering | Description |
|---|---|
| FPO150-B100D8E2 | 150W (12V and 24V) 8 auxiliary outputs, E2 enclosure |

| Input Power | Input 120/230 VAC 50/60 Hz  \|  170 Watts (1.41 Amps)<br>Overload and short circuit protection<br>Over temperature protection<br>Polarized AC power supply disconnect |
|---|---|
| Output Power | 12VDC and 24VDC, 150W maximum combined output power<br>Outputs: Continuous (DC1) Resettable (DC2)<br>8 auxiliary outputs, rated at 3 Amps per output<br>120 mV output voltage ripple<br>System Efficiency: 88%  \|  System BTU Rating: 66 BTU/Hr |
| Battery Charging | Independent built-in 2A charger for sealed lead acid or gel type batteries<br>Microprocessor dual rate charging of 12  or 24 V battery sets<br>Charges up to 80Ah battery sets within UL limit<br>Automatic switchover to standby battery when AC fails<br>Zero voltage drop when switched over to battery backup |
| Supervision | AC Fail (form "C" contacts)<br>System Fault (form "C" contacts) may be triggered by low/no battery, short to earth ground, power supply failure or blown fuse |
| Visual Indicators | AC input, DC1 and DC2 output<br>System fault / AC fault<br>Short to earth ground<br>Reverse battery polarity<br>Fire Alarm Input activated<br>B100:  DC input / output and Fault<br>D8:  DC outputs |
| Regulatory Compliance | UL294, UL603, UL1076, ULC S318, ULC S319, ULC S527, CSA C22.2 #107.1, CSA C22.2 #60950<br>FCC Part 15, Subpart B / CSFM Approved |
| Physical Dimensions | Enclosure: 20.00H x 16.00W x 4.50D in. (51.00 x 40.00 x 11.50 cm) |

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 Specifications subject to change without notice.

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