



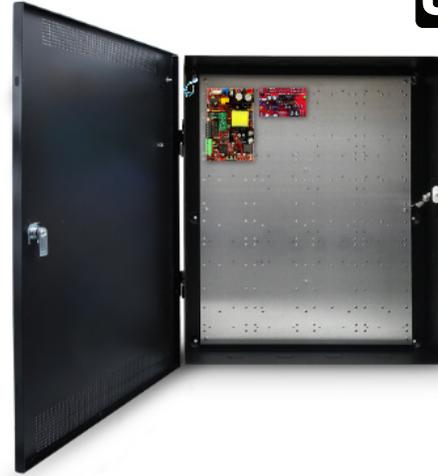
## Overview

MCLASS™ Unified Power Systems combine FlexPower® power modules alongside Mercury Security™ access hardware in one compact and secure UL Listed solution.

The FPO Power Supply / Battery Charger provides two power outputs user selectable for 12 or 24 VDC. One output provides continuous output power for system use, the second is resettable output power, activated when the fire alarm disconnect is initiated.

For access or lock power, the D8P provides eight class 2 power limited outputs rated at 2.5A per output, each individually programmable for constant output or FAI disconnect.

MCLASS 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 or 24V DC outputs
  - On board Fire Alarm Interface
  - Continuous and resettable DC
- ◆ **Auxiliary outputs**
  - Eight, Class II power limited at 2.5A each
  - Each programmable to either continuous or resettable DC
- ◆ **Expansion options**
  - Increased power, multiple voltages
  - Additional distribution outputs
  - Network monitoring and reporting
- ◆ **Lifetime Warranty**

## Enclosure Features

- ◆ **Labor saving design**
  - Pre-wired power section
  - Pre-punched knockouts
  - Removeable backplate simplifies installs
  - Pre-defined hole pattern for power section
  - Access panels mount on threaded standoffs - no drilling required
- ◆ **Additional benefits**
  - Wire management room
  - 6.5" enclosure depth fits battery set
  - Tamper switch, lock, dual key set standard
  - Mounting hardware for access boards included

## Ordering

## Description

| Ordering       | Description   |
|----------------|---|
| FPO75-D8PE4M   | 120VAC, 75W (12V or 24V) 8 Aux Class 2 outputs, 24x20x6.5 Encl. |
| FPO75-D8PE4M/E | 230VAC, 75W (12V or 24V) 8 Aux Class 2 outputs, 24x20x6.5 Encl. |



## Specifications

|                              |  |
|------------------------------|--|
| <b>Input Power</b>           | Input 120/230 VAC 50/60 Hz   83 Watts (.70 Amps)<br>Overload and short circuit protection<br>Over temperature protection<br>Polarized AC power supply disconnect   |
| <b>Output Power</b>          | FPO75: 12V/6A or 24V/3A   75 Watts<br>Outputs: Continuous (DC1) Resettable (DC2)<br>8 auxiliary outputs, class II power limited rated at 2.5 Amps per output<br>120 mV output voltage ripple<br>System Efficiency: 83%   System BTU Rating: 33 BTU/Hr  |
| <b>Battery Charging</b>      | Independent built-in 1A 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 40Ah battery sets within UL limit<br>Automatic switchover to standby battery when AC fails<br>Zero voltage drop when switched over to battery backup |
| <b>Supervision</b>           | AC Fail (form "C" contacts)<br>System fail (form "C" contacts) may be triggered by low/no battery, short to earth ground, power supply failure or blown fuse   |
| <b>Visual Indicators</b>     | AC input, DC1 and DC2 output<br>System fault   AC fault   Short to earth ground   Reverse battery polarity<br>Fire Alarm Input activated<br>D8P: DC outputs  |
| <b>Regulatory Compliance</b> | UL294, UL603, UL1076, ULC S318, ULC S319   |
| <b>Mercury/LSP</b>           | CSA C22.2 #107.1, CSA 22.2 #60950  |
| <b>Joint Listing</b>         | CSFM / FCC Part 15, Subpart B<br>CE  |
| <b>Enclosure Dimensions</b>  | Size: 24.00H x 20.00W x 6.50D in. (61.00 x 50.00 x 16.00 cm)   Weight: 25 lbs.   |
| <b>Access Panel Mounting</b> | LP1501, LP1502, LP4502, LP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300   |

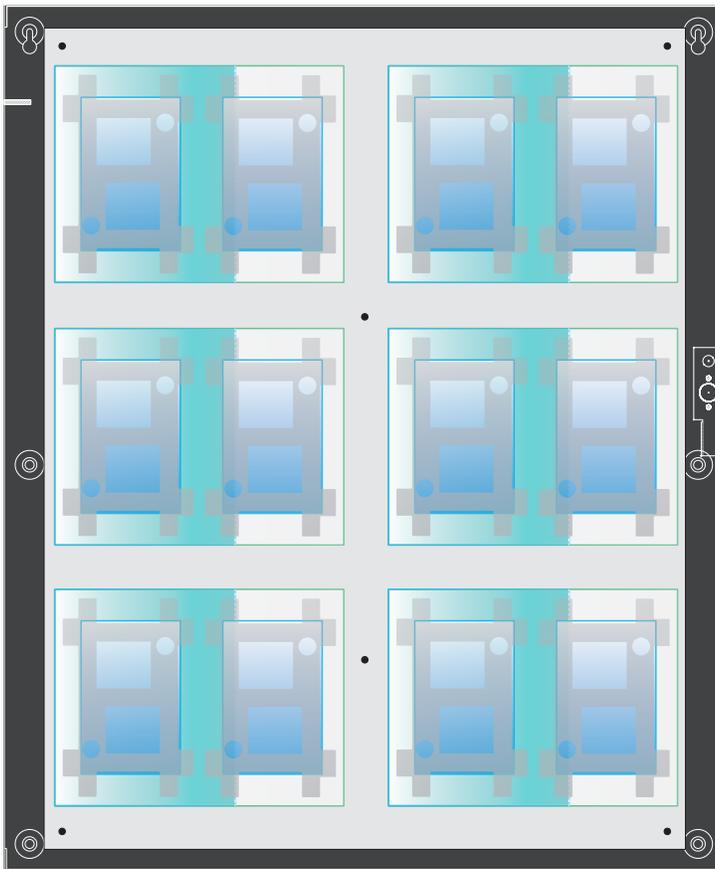
**Universal Mercury Mounting Pattern**

**E4M**

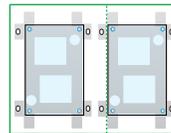
| Mercury          | Slots w/Power | Slots all Mercury |
|------------------|---------------|-------------------|
| MR52 / LPxx      | 4             | 6                 |
| MR16in / MR16out | 4             | 6                 |
| LP2500 / MUX8    | 4             | 6                 |
| LP1501 / MR51e   | 8             | 12                |
| MR50             | 8             | 12                |

**E4M1 (adds six MR door panels)**

| Mercury          | Slots w/Power | Slots all Mercury |
|------------------|---------------|-------------------|
| MR52 / LPxx      | 10            | 12                |
| MR16in / MR16out | 10            | 12                |
| LP2500 / MUX8    | 4             | 6                 |
| LP1501 / MR51e   | 8             | 12                |
| MR50             | 8             | 12                |



**UNIVERSAL MERCURY PATTERN**  
all boards each slot

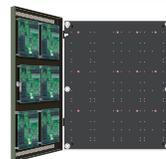


- (1) MR52 / LP1502
- (1) LP2500
- (2) LP1501 / Mr51E
- (2) MR50

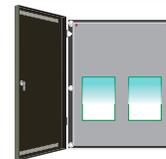
**E4M1 EXPANDS SIX MR52 TO DOOR**



**E4M2 ON DOOR ONLY**



**E4M2 TWO VERTICAL**



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Specifications subject to change without notice.

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