## Overview

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

This unit is a 12V and 24V DC dual voltage access power system.

The C4P lock control module provides four access control inputs capable of voltage or dry contact activation, and four outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO.

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 and 24 VDC outputs*
  - *On board Fire Alarm Interface*
  - *Continuous and resettable DC*
- **Distributed output module**
  - *Four, controlled class II power limited at 2.5A each*
- **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*
  - *4.5" enclosure depth fits battery set*
  - *Tamper switch, lock, dual key set standard*
  - *Mounting hardware for access boards included*

**FLEX**POWER
**UNIFIED** POWER SOLUTIONS

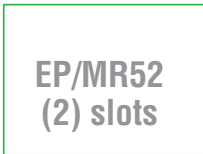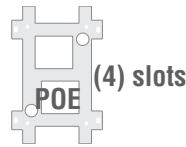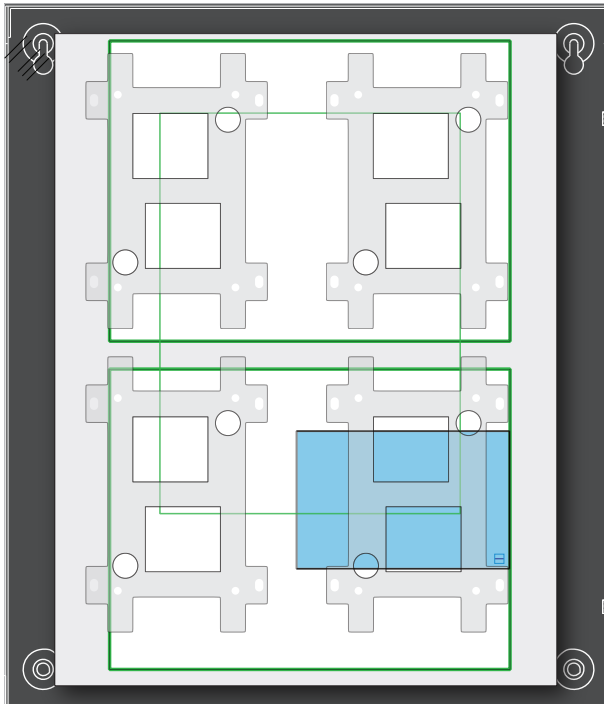| Ordering | Description |
|---|---|
| FPO75-B100C4PE1M | 75W (12V & 24V) 4 control outputs, MCLASS enclosure |

## Specifications

| | |
|---|---|
| **Input Power** | Input 120/230 VAC 50/60 Hz \| 83 Watts (0.70A)<br>Overload and short circuit protection<br>Over temperature protection<br>Polarized AC power supply disconnect |
| **Output Power** | 2A@12V and 2A@24V DC, 75W maximum combined output power<br>Outputs: Continuous (DC1) Resettable (DC2)<br>4 controlled outputs, class II power limited at 2.5A each<br>120 mV output voltage ripple<br>System Efficiency: 83% \| System BTU Rating: 33 BTU/Hr |
| **Battery Charging** | 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>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 fail (form "C" contacts) may be triggered by low/no battery, short to earth ground and power supply failure |
| **Visual Indicators** | AC input, DC1 and DC2 output<br>System fault \| AC fault \| Short to earth ground \| Reverse battery polarity<br>Fire Alarm Input activated<br>B100: DC input, output and fault<br>C4P: DC output and fault |
| **Regulatory Compliance**<br>**Mercury/LSP**<br>**Joint Listing** | UL294, UL603, UL1076, ULC S318, ULC S319<br>CSA C22.2 #107.1, CSA 22.2 #60950<br>CSFM / FCC Part 15, Subpart B<br>CE |
| **Enclosure Dimensions** | Size: 14.00H x 12.00W x 4.50D in. (35.00 x 31.00 x 11.50 cm) \| Weight: 14 lbs |
| **Access Panel Mounting** | LP1501, LP1502, LP4502, LP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300 |

## E1M Mercury Mounting Guide

| Mercury | Slots w/Power | Slots all Mercury |
|---------|:---:|:---:|
| LP1502 / 4502 | 1 | 2 |
| MR16in / MR16out | 1 | 2 |
| MR50 | 1 | 1 |
| LP1501 / MR51e | 3 | 4 |

### Enclosure Features

- ◆ **Custom Backplate**
  - – *LSP power modules pre-wired in top area*
  - – *One EP1502 controller or up to three POE controllers*
- ◆ **Mechanical**
  - – *4.5" cabinet depth*
  - – *Removable door with "fast disconnect" ground strap*
  - – *Multiple knockouts all four sides*
  - – *Network module mounting holes for field upgrade*

**POE** **(4) slots**

**MR50** **(1) slot**

**EP/MR52 (2) slots**

◆ EP controller with remote management

◆ EP1502 with lock control

## LifeSafetyPower.com

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Specifications subject to change without notice.

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