

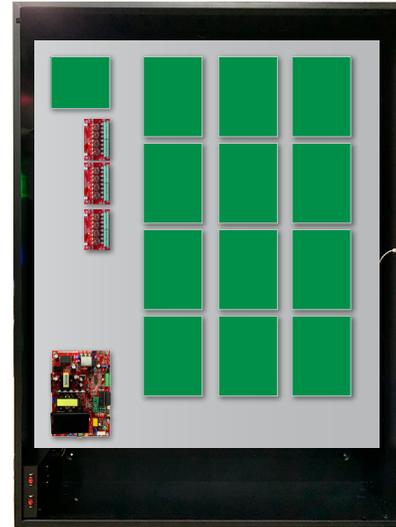
## Overview

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, three D8 modules provide twenty four class II power limited outputs rated at 2.5A each and each output is 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 and 24 VDC outputs
  - On board Fire Alarm Interface
  - Continuous and resettable DC
- ◆ **Distributed output module**
  - 24 auxiliary, class 2 power ltd 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 studs - no drilling required
- ◆ **Additional benefits**
  - Wire management room
  - Double doors with three point lock
  - 8" enclosure depth fits battery set
  - Tamper switch, dual key set standard
  - Mounting hardware for access boards included



## Ordering

## Description

FP0250-3D8PE12M	250W (12V or 24V) 24 Class II aux outputs, MCLASS enclosure
FP0250-3D8E12M	250W (12V or 24V) 24 fused aux outputs, MCLASS enclosure

For models preset to 230VIN, add 'E' to the end of the model number.

Ex: FP0250-3D8PE12M/E



## Specifications

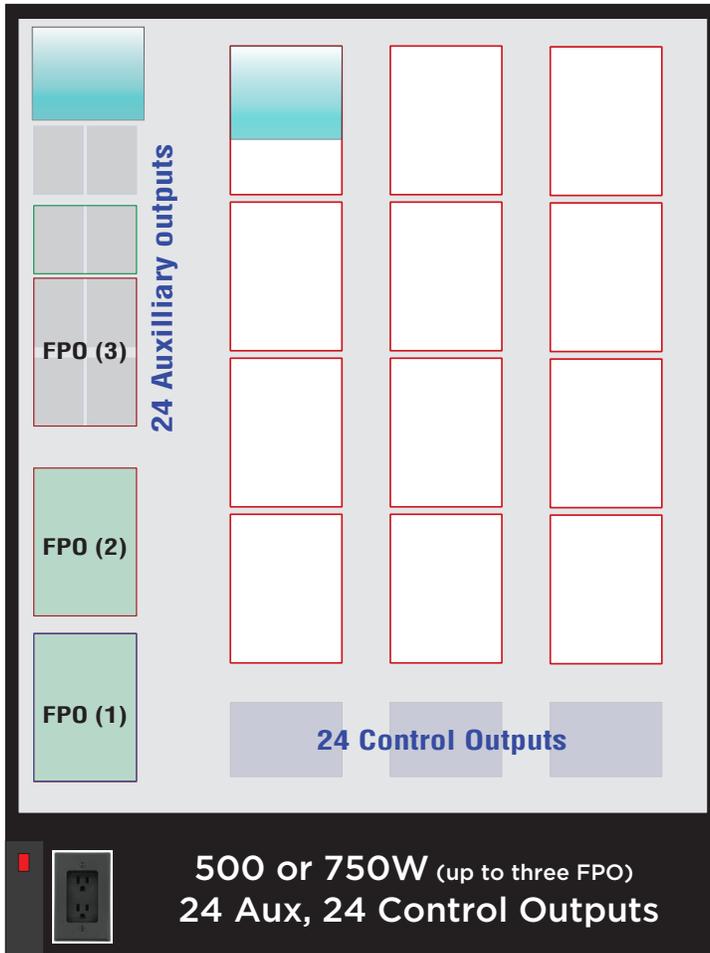
<b>Input Power</b>	Input 120/230 VAC 50/60 Hz   282 Watts (2.35A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
<b>Output Power</b>	FP0250: 12V/20A or 24V/10A   250 Watts Outputs: Continuous (DC1) Resettable (DC2) 24 auxiliary outputs, Class II power limited at 2.5A each 120 mV output voltage ripple System Efficiency: 87%   System BTU Rating: 66 BTU/Hr
<b>Battery Charging</b>	Independent built-in 2A charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
<b>Supervision</b>	AC Fail (form "C" contacts) System fail (form "C" contacts) may be triggered by low/no battery, short to earth ground and power supply failure
<b>Visual Indicators</b>	AC input, DC1 and DC2 output System fault AC fault Short to earth ground Reverse battery polarity Fire Alarm Input activated 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>	FCC Part 15, Subpart B CE
<b>Enclosure Dimensions</b>	Size: 48.00H x 36.00W x 8.00D in. (122.00 x 91.00 x 20.30 cm)   Weight: 120 lbs.
<b>Access Panel Mounting</b>	LP1502, LP4502, LP2500, MR50, MR52, MR16, LNL-500, 1100, 1200, 1320, 2000, 2220, 3300

**E12M Mercury Mounting Guide**

Mercury	Slots	Area
MR52 / LPxx	12	6 x 8
MR16in / MR16out	12	6 x 8
LP2500 / MUX8	13	6 x 5

**Enclosure Features**

- ◆ **Custom Backplate**
  - Light weight aluminum with AC and battery slots to protect cables
  - LSP pre-wired power modules reduce installation time
  - Vertical Mercury pattern for maximum design flexibility
  - Wide wire management channels for panduit or tie wrap
- ◆ **E12 Enclosure**
  - Protected AC cover with on/off circuit breaker for maintenance safety and AC outlet for service equipment or lighting
  - Pre-drilled mounting holes for field upgrades
  - 8" cabinet depth accommodates large battery sets
  - Removable double doors with "fast disconnect" ground straps and three point locking mechanism
  - Multiple knockouts all four sides



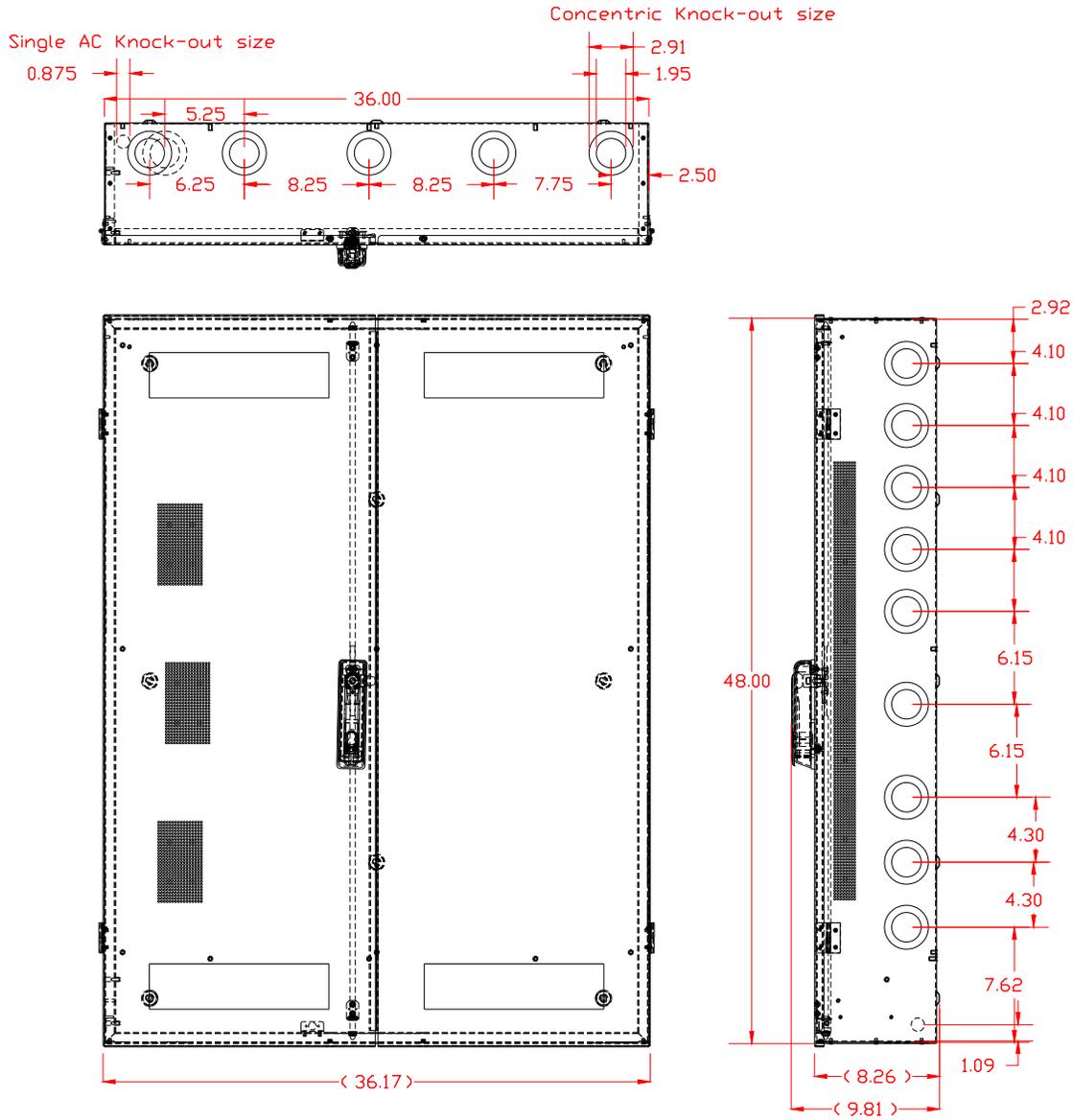
**LP1502  
MR52  
MR16**      **12 Slots**

**LP2500**      **Dedicated left corner**

**(2) LP1501 can be mounted in a MR52 slot using EPLT-1M expansion bracket**

## E12 Enclosure Dimensions (H x W x D)

### 48.00" x 36.00" x 8.00" (122 x 91 x 20.3 cm)



## LifeSafetyPower.com

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Specifications subject to change without notice.

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