



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.

Two C8 lock control modules provide sixteen access control inputs capable of voltage or dry contact activation, and sixteen outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO. Two D8 modules provide sixteen auxiliary class 2 outputs and each output is configurable for 12 or 24VDC operation.

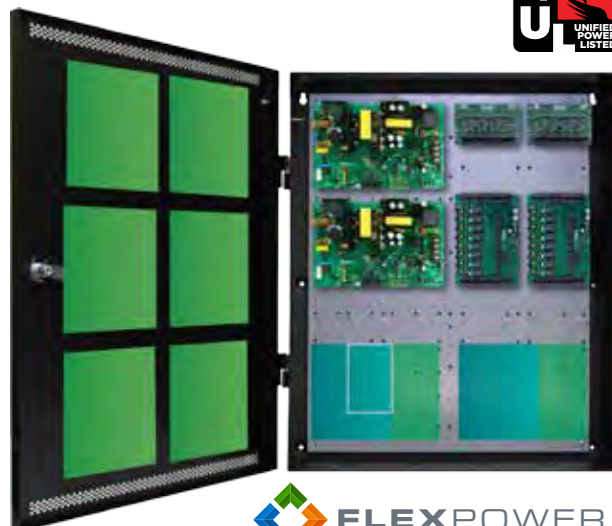
MCLASS enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

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 outputs**
 - Sixteen auxiliary, class II power limited at 2.5A each
 - Sixteen controlled, fused at 3A 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



FLEXPOWER
UNIFIED POWER SOLUTIONS

Ordering

FP0150/250-2C82D8PE4M1

Description

400W (12V & 24V) 16 lock, 16 aux outputs



Specifications

Input Power	Input 120/230 VAC 50/60 Hz 452 Watts Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	FP0150: 12V/12A or 24V/6A 150 Watts FP0250: 12V/20A or 24V/10A 250 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 control outputs, fused at 3A each 16 auxiliary outputs, class II power limited at 3A each 120 mV output voltage ripple System Efficiency: 87% System BTU Rating: 175 BTU/Hr
Battery Charging	Independent built-in 2A charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Charges up to 80Ah battery sets within UL limit Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Supervision	AC Fail (form "C" contacts) 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 System fault AC fault Short to earth ground Reverse battery polarity Fire Alarm Input activated C8: DC input / output and Fault D8P: DC outputs
Regulatory Compliance	UL294, UL603, UL1076, ULC S318, ULC S319
Mercury/LSP	CSA C22.2 #107.1, CSA 22.2 #60950
Joint Listing	CSFM / FCC Part 15, Subpart B CE
Enclosure Dimensions	Size: 24.00H x 20.00W x 4.50D in. (61.00 x 50.00 x 11.50 cm) Weight: 25 lbs.
Access Panel Mounting	EP1501, EP1502, EP4502, EP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300

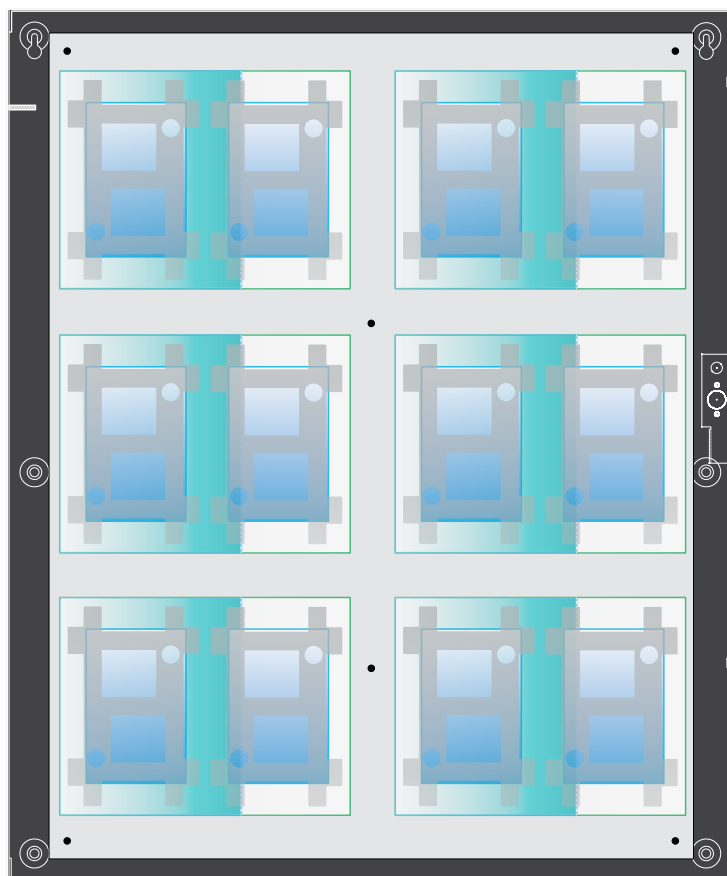
Universal Mercury Mounting Pattern

E4M

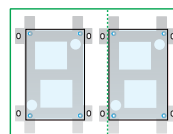
Mercury	Slots w/Power	Slots all Mercury
MR52 / EPxx	4	6
MR16in / MR16out	4	6
EP2500 / MUX8	4	6
EP1501 / MR51e	8	12
MR50	8	12

E4M1 (adds six MR door panels)

Mercury	Slots w/Power	Slots all Mercury
MR52 / EPxx	10	12
MR16in / MR16out	10	12
EP2500 / MUX8	4	6
EP1501 / MR51e	8	12
MR50	8	12

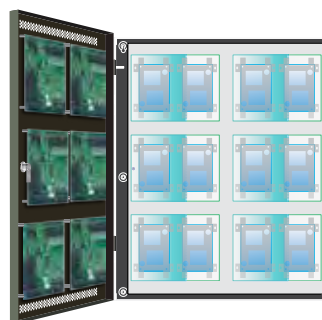


UNIVERSAL MERCURY PATTERN all boards each slot

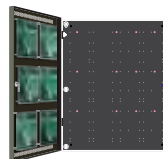


- (1) MR52 / EP1502
- (1) EP2500
- (2) EP1501 / Mr51E
- (2) MR50

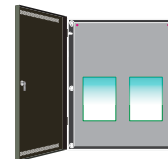
E4M1 EXPANDS SIX MR52 TO D00R



E4M2 ON DOOR ONLY



E4M2 TWO VERTICAL



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Specifications subject to change without notice.

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