



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 network managed access power system.

Dual M8P 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. Dual D8P modules provide sixteen auxiliary Class 2 power limited outputs and each output is configurable for 12 or 24VDC operation.

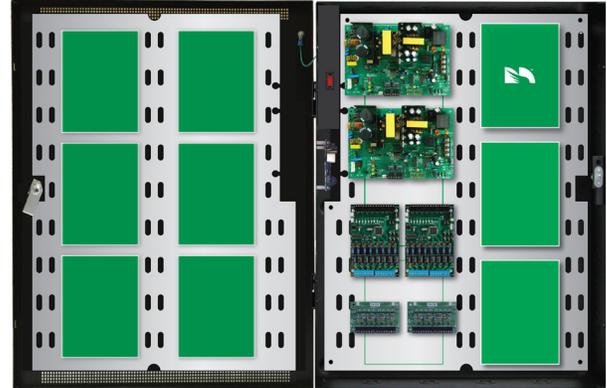
MCLASS enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

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 - power limited at 2.5A each
 - Sixteen managed --fused at 3A each
- ◆ **Remote Monitoring & Control**
 - Live voltage / current reporting
 - Remote battery load testing
 - Output power cycling and abnormal operation alert
 - System / AC fault reporting
- ◆ **Lifetime Warranty**

Enclosure Features

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



Ordering

FP0150/250-2D8P2M8NL4E6M1

Description

400W (12V & 24V) 16 managed/aux outputs, ntrwk



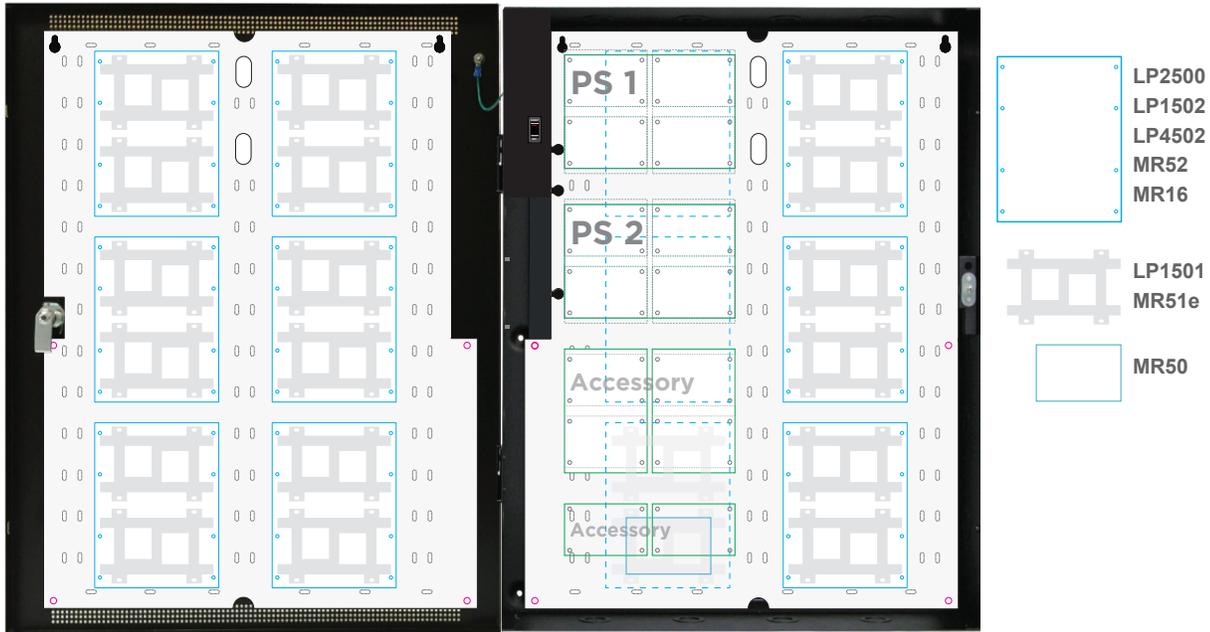
Specifications

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	FPO150: 12V/12A or 24V/6A 150 Watts FPO250: 12V/20A or 24V/10A 250 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 managed lock control outputs fused at 3 Amps per output 16 auxiliary outputs Class 2 power limited at 2.5 Amps per output 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 D8P: DC outputs M8: DC input, output and fault
Regulatory Compliance (LSP equipment)	UL294, UL603, UL864, UL1076, UL1481, UL2044, UL2572 ULC S318, ULC S319, ULC S527, CSA C22.2 #107.1, CSA C22.2 #60950 FCC Part 15, Subpart B / CSFM Approved
Enclosure Dimensions	Size: 30.00H x 23.00W x 6.50D in. (76.00 x 59.00 x 16.50 cm) Weight: 45 lbs.
Access Panel Mounting	LP1501, LP1502, LP4502, LP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300

E6M1 Mercury Mounting Guide

door

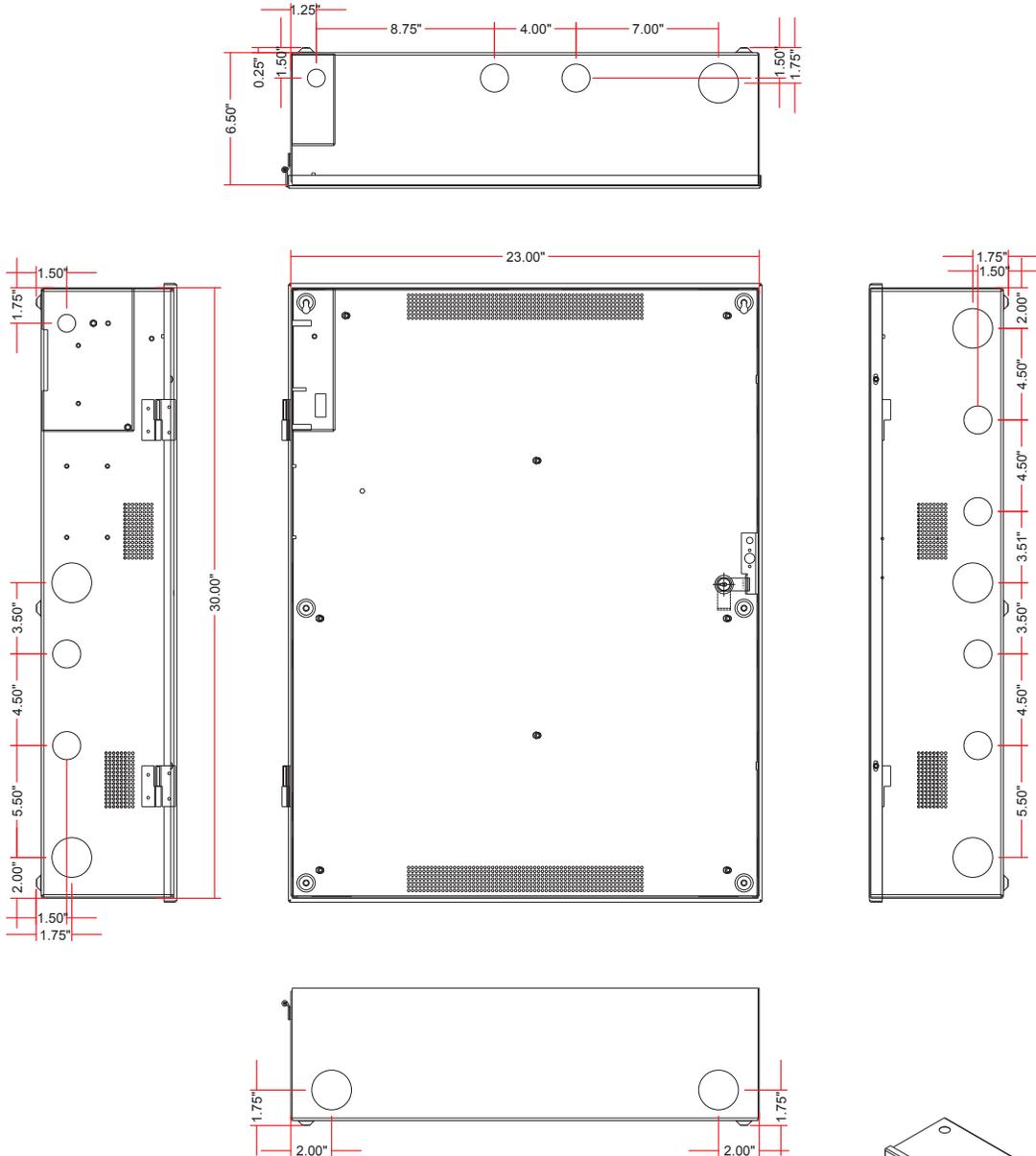
main



Enclosure Features

- ◆ **Custom Backplate**
 - Main and door plates are reverse image
 - LSP pre-wired power modules reduce installation time
 - Light weight aluminum with AC and battery slots to protect cables
 - Vertical Mercury pattern for maximum design flexibility
 - Wide wire management channels for panduit or tye wrap
- ◆ **E6 Enclosure**
 - Protected AC cover with on/off circuit breaker for maintenance safety
 - Pre-drilled mounting holes for field upgrades
 - Deeper 6.5" cabinet accommodates large battery sets
 - Removable door with "fast disconnect" ground strap
 - Multiple knockouts all four sides

E6 Enclosure Dimensions (H x W x D) 30.00" x 23.00" x 6.50" (76 x 58 x 16.5 cm)



LifeSafetyPower.com

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Specifications subject to change without notice.

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