



Overview

MCLASS enclosures are engineered to house FlexPower® power management boards alongside access hardware in one compact, secure system.

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

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. D8 modules provide sixteen auxiliary Class II 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.

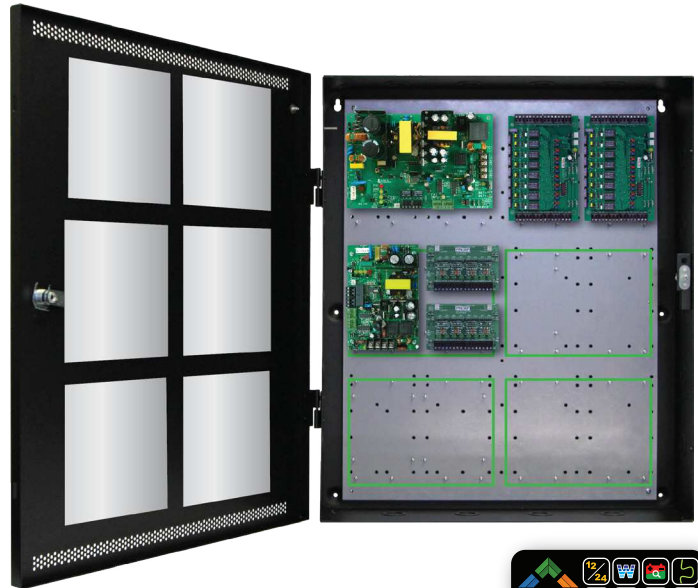
System Features

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

Enclosure Features

- ◆ **Labor saving design**
 - Pre-wired FlexPower section
 - Pre-formed knockouts
 - Removeable backplate simplifies instal
 - Pre-defined hole pattern for power section
 - Access panels mount on predefined stud mounts - no drilling required
- ◆ **Other refinements**
 - 4.5" enclosure depth fits 12Ah battery
 - Wire management room
 - Tamper switch, lock, dual key set standard

Lifetime Warranty



Ordering

FP075/250-2C82D8PE4M1

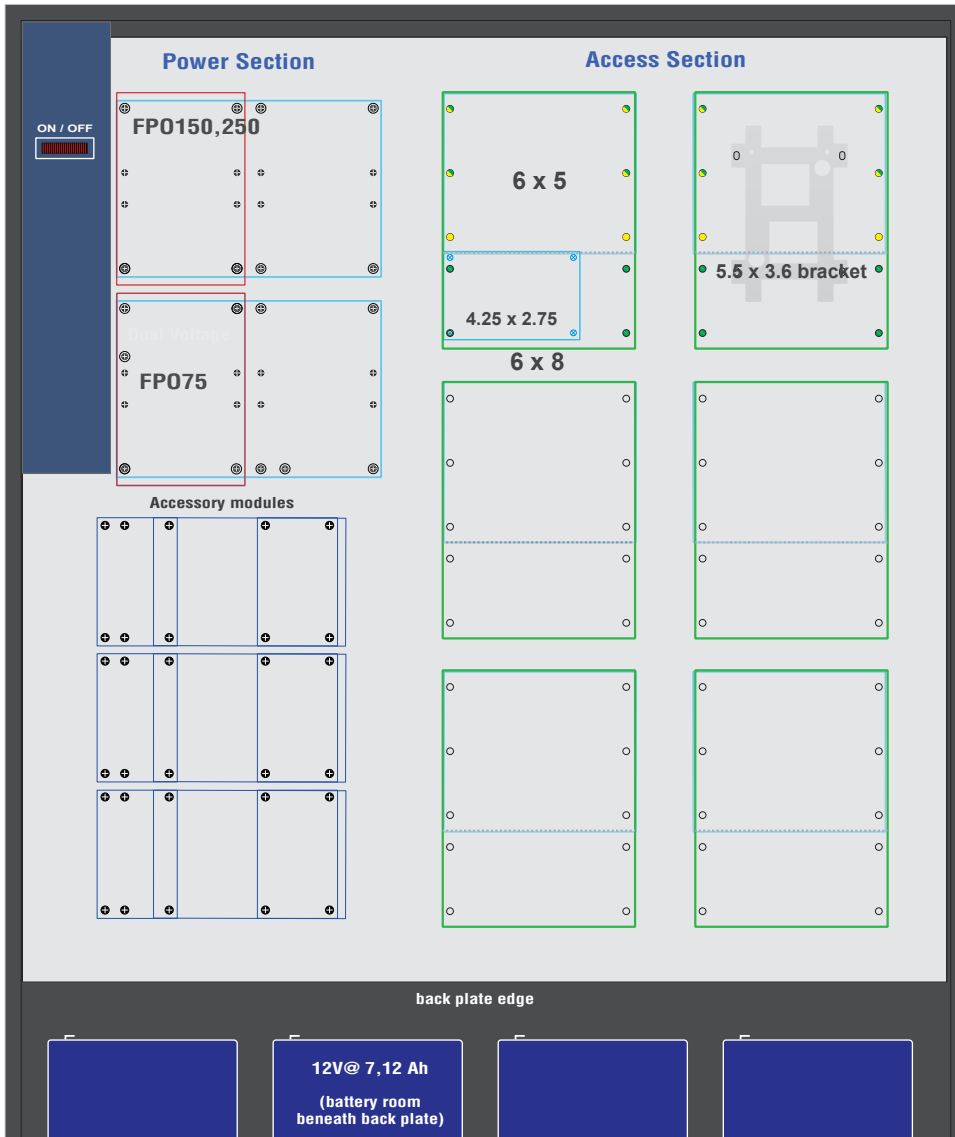
Description

325W (12V & 24V) 16 lock/aux outputs, MCLASS enclosure





Specifications

Input Power	Input 120/230 VAC 50/60 Hz 365 Watts Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	FPO75: 12V/6A or 24V/3A 75Watts FPO250: 12V/20A or 24V/10A 250 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 lock outputs, fused at 3A each 16 auxiliary outputs, Class II power limited at 2.5A each 120 mV output voltage ripple System Efficiency: 87% System BTU Rating: 142 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 (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
Physical Dimensions	Enclosure: 36.00H x 30.00W x 4.50D in. (91.00 x 76.00 x 11.50 cm)
Access Mounting	EP1501, EP1502, EP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300

E8M backplate mounting pattern for power and access boards



MAX ACCESS ACCOMMODATION

-  (6) slots 6 x 8 board size
-  (6) slots 6 x 5 board size
-  (1) slots 5.5 x 3.6 (bracket)
-  (1) slot 4.25 x 2.75 board size

LifeSafetyPower.com

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Specifications subject to change without notice.

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