



Overview

The FP075-E1M MCLASS is a custom E1 enclosure consisting of one FP075 power supply and additional space to mount up to three Mercury/LeNel boards (EP1501, MR50, MR51e, LNL-2210, or similar sized). The FP075 PS/Charger is capable of providing two power outputs, user selectable for 12 or 24 VDC. One output provides continuous output power for system use, the second is programmable for either fail-safe or fail-secure operation, activated when the fire alarm disconnect is initiated.

Complete fault detection and reporting, with programmable fault delays, is provided along with datalogging capability of fault occurrence, battery usage time, and power supply status.

The FP075-E1M is configured in a painted, steel enclosure, with lock, tamper switch, and custom stud pattern for mounting Mercury/LeNel panels.

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**
 - DC1 Continuous
 - DC2 Resettable
- ◆ **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-E1M

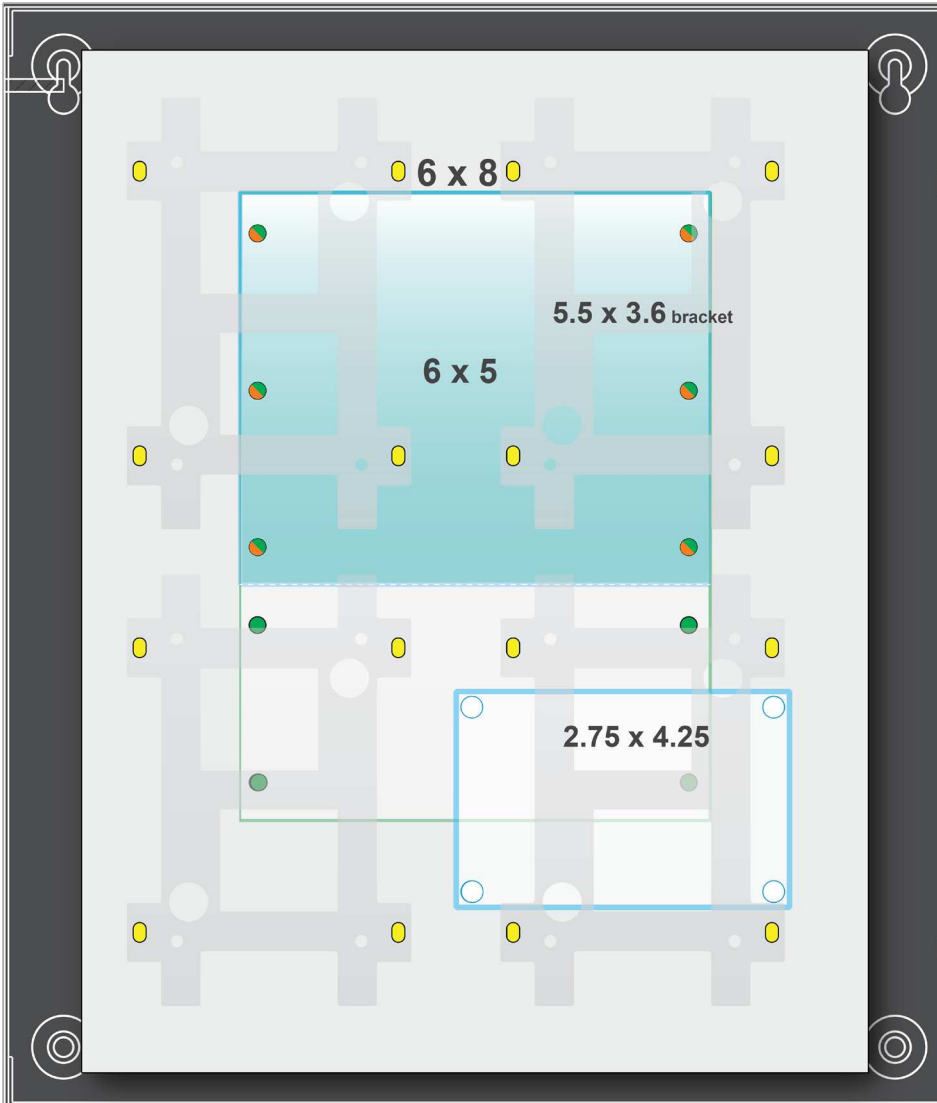
Description

75W (12/24V) MCLASS enclosure





Specifications

Input Power	Input 120/230 VAC 50/60 Hz 83 Watts (0.69A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	FP075: 12V/6A or 24V/3A 75 Watts Outputs: Continuous (DC1) Resettable (DC2) 120 mV output voltage ripple System Efficiency: 83% System BTU Rating: 33 BTU/Hr
Battery Charging	Independent built-in 1A 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
Supervision	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
Visual Indicators	AC input, DC1 and DC2 output System fault AC fault Short to earth ground Reverse battery polarity Fire Alarm Input activated
Regulatory Compliance	UL294 and 1076 Class 2 FCC CSFM
Physical Dimensions	Enclosure: 20.00H x 16.00W x 4.50D in. (50.00 x 40.00 x 11.50 cm)
Backplate mounting pattern support for	EP1501, EP1502, EP2500, MR50, MR51e, MR52, MR16, MUX-8 LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300

E1M backplate mounting pattern for power and access boards



MOUNTING PATTERN KEY

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

Layout examples



- ◆ EP controller with remote management



- ◆ MR52 sized board can be fit horizontally with user provided hole mounting

lifesafetypower.com

(888) 577-2898
 info@lifesafetypower.com

Specifications subject to change without notice.

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LifeSafety Power, Inc.
 750 Tower Road, Unit B
 Mundelein, IL 60060 USA