



Overview

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

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, the D8P provides eight class 2 power limited outputs rated at 2.5A per output, each 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 or 24V DC outputs
 - On board Fire Alarm Interface
 - Continuous and resettable DC
- ◆ **Auxiliary outputs**
 - Eight, Class II power limited at 2.5A each
 - Each programmable to either continuous or resettable DC
- ◆ **Expansion options**
 - Increased power, multiple voltages
 - Additional distribution outputs
 - Network monitoring and reporting
- ◆ **Lifetime warranty**

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



Ordering

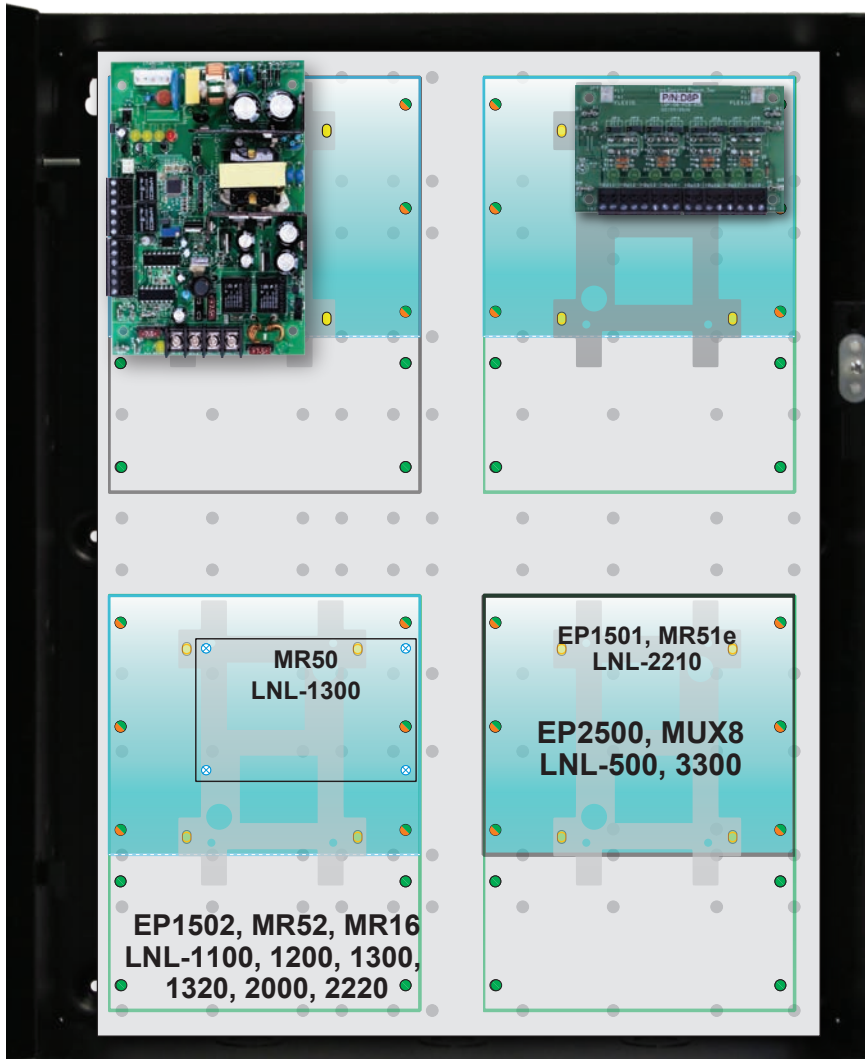
FP075-D8PE2M

Description





75W (12V or 24V) 8 auxiliary Class 2 outputs, E4M enclosure

Input Power	Input 120/230 VAC 50/60 Hz 83 Watts (1.1 Amps) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	12VDC at 6 amps or 24VDC at 3 amps (75W Watts) Outputs: Continuous (DC1) Resettable (DC2) 8 auxiliary outputs, class II power limited rated at 2.5 Amps per output 120 mV output voltage ripple System Efficiency: 85% 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 Charges up to 40Ah 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 fail (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
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: 20.00H x 16.00W x 4.50D in. (51.00 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

E2M MCLASS backplate mounting pattern for power and access boards



MOUNTING PATTERN KEY

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

2-4 door access configuration example



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