FLEXPOWER
MCLASS™

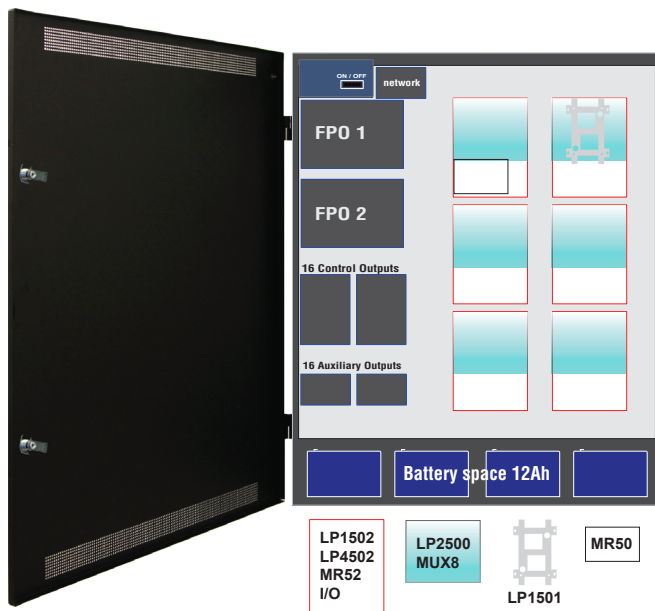**FLEX**POWER
UNIFIED POWER SOLUTIONS

Overview

MCLASS multi-purpose enclosures offer maximum flexibility, functionality and savings to access system designers. MCLASS enclosures are engineered to house FlexPower® power management boards alongside Mercury Security® access panels in one compact, secure system. The E8M can be configured for a maximum of twelve doors with dual voltage distribution.

To prevent damage to system electronics, the backplate separates from the enclosure for access hardware mounting in the shop while wiring is pulled to the enclosure at the job site. Once configured, the backplate can be re-mounted for final ties and checkout.

Features

➢ Mounts LSP power and access hardware in a variety of combinations
➢ Removable backplate simplifies job installation
➢ Protected AC input terminal - meets arc protection requirements
➢ AC on/off circuit breaker switch
➢ Pre-engineered access mounting pattern
  ◆ Power and distribution boards are mounted and pre-wired
  ◆ Access boards mount on provided threaded standoffs
➢ Mechanical upgrades
  ◆ Removable door with quick disconnect grounding strap
  ◆ 6.5" enclosure depth accommodates 12Ah battery sizes
  ◆ Lock with two (2) keys and installed tamper switch
  ◆ 16 Gauge steel with LSP black textured finish
  ◆ Multiple knockouts all four sides

Part No.	Door Count	Description	Weight
E8M	8 - 12 Doors	Enclosure with main backplate	70 lbs

E8 enclosure size: 36H x 30W x 6.5D

c(UL)us

Custom Backplate System

ON / OFF   network
FPO 1
FPO 2
16 Control Outputs
16 Auxiliary Outputs
Battery space 12Ah
LP1502 LP4502 MR52 I/O
LP2500 MUX8
LP1501
MR50

Flexible Mounting Pattern

The E8M backplates are designed with a unique Mercury mounting pattern to provide the installer with a configuration mechanism capable of supporting up to 12 doors with system and lock power in an extremely efficient manner. The backplates is removable and mounts controllers and LSP modules in both single and dual voltage configurations.

The E8M1 variant adds a door backplate for expansion of distribution modules or up to four more controllers (see E8M1 datasheet).

The 6.50" cabinet depth allows up to 12Ah battery sizes for greater stand-by time.

LSP/Mercury Joint UL/CUL Listing

Any combination of listed LSP and Mercury controllers may be configured and retain UL/CUL system listing.

UL UNIFIED POWER LISTED

E8M Mercury Mounting Guide

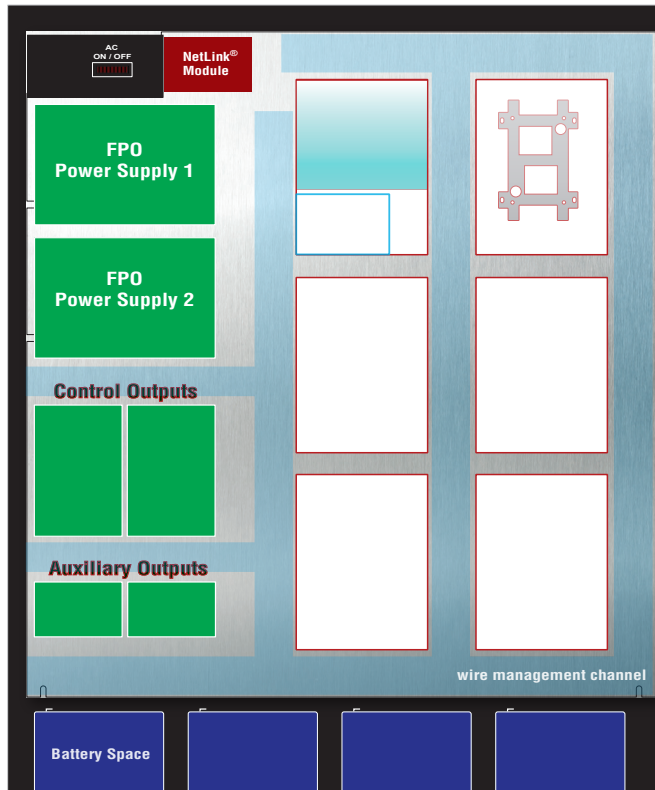| Mercury	Slots	Area
MR52 / LPxx	6	6 x 8
MR16in / MR16out	6	6 x 8
LP2500 / MUX8	6	6 x 5
LP1501 / MR51e	1	5.5 x 3.6 (bracket)
MR50	1	4.25 x 2.75

Enclosure Features

- ◆ **Custom Backplate**
  - Light weight aluminum with AC and battery slots to protect cables
  - LSP pre-wired power modules reduce installation time
  - Front side screw in standoffs simplifies panel installation
  - Wide wire management channels for panduit or tie wrap
- ◆ **Mechanical**
  - Protected AC cover with on/off circuit breaker for maintenance safety
  - Pre-drilled mounting holes for easy field upgrades
  - 6.5" cabinet depth accommodates large battery sets
  - Removable door with "fast disconnect" ground strap
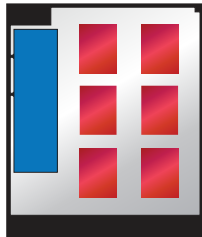 - Multiple knockouts all four sides

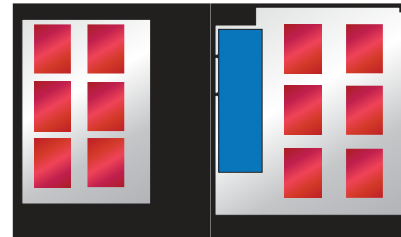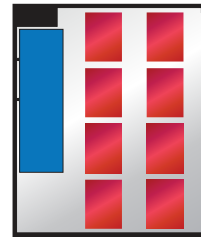

Additional E8M Enclosure Patterns

E8M

Main backplate
6 boards

E8M1
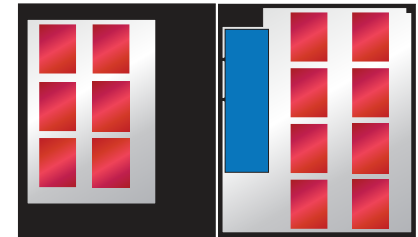

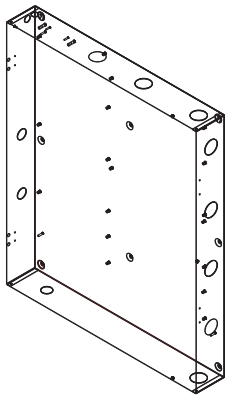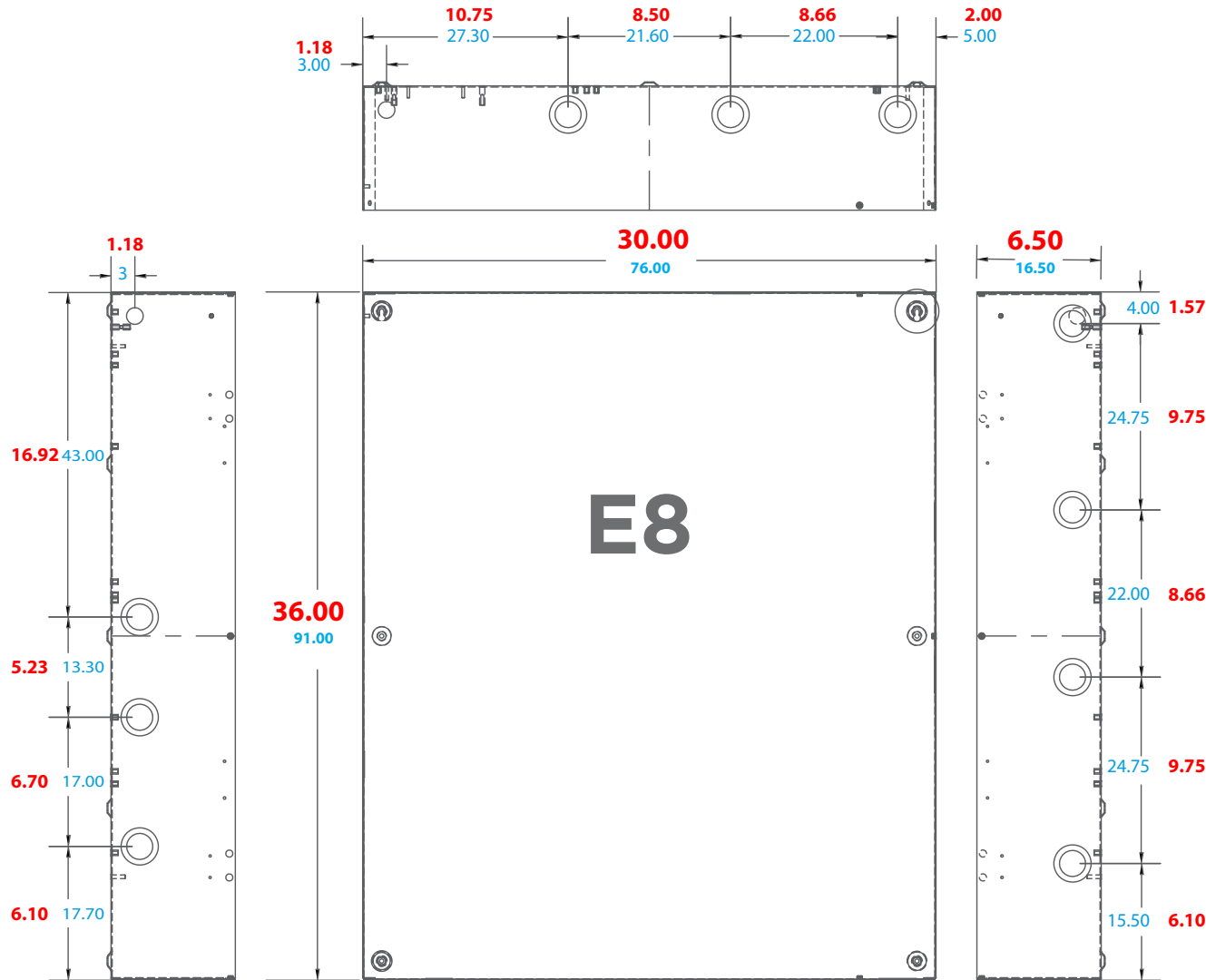Main with door mount
10 boards

E8M2

Main backplate
8 boards

E8M3

NOTE - Although the E8M3 will physically hold up to 14 Mercury controllers, there may not be enough power or distribution space available for all configurations.

E8 Mechanical Specification

E8 Enclosure Dimensions (H x W x D)
36.00" x 30.00" x 6.50" (91 x 76 x 16.5 cm)

LifeSafetyPower.com

(888) 577-2898
info1@LifeSafetyPower.com

 Specifications subject to change without notice.

LifeSafety Power
 10027 S. 51st Street, Suite 102
 Phoenix, AZ 85044 USA