

Part No.	Door Count	Description	Weight
<b>E8M2</b>	16 Doors	Enclosure with main backplate	65 lbs

Enclosure size: 36H x 30W x 6.5D

## Overview

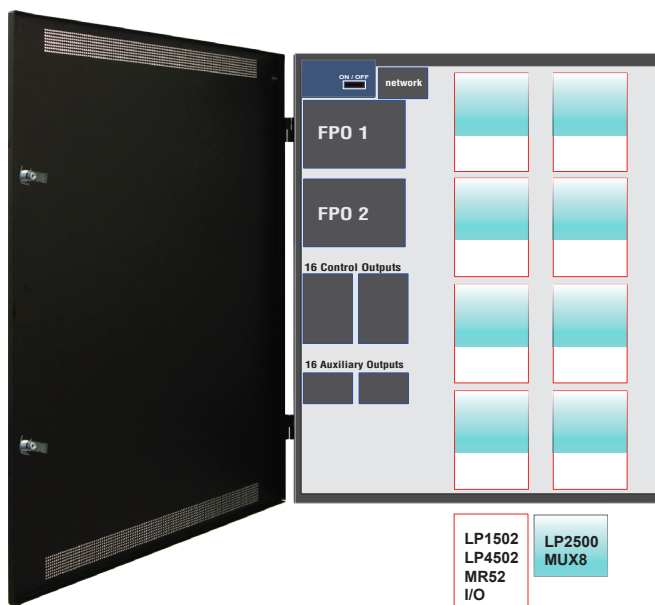
MCLASS multi-purpose enclosures offer maximum flexibility, functionality and savings to access system designers. MCLASS enclosures are engineered to house FlexPower® power management boards alongside Mercury Security® access panels in one compact, secure system. The E8M2 can be configured for a maximum of sixteen doors with dual voltage distribution.

To prevent damage to system electronics, the backplates separate from the enclosure for access hardware mounting in the shop while wiring is pulled to the enclosure at the job site. Once configured, the backplates 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
  - ◆ Channel cable tie points
  - ◆ 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

## Flexible Backplate System



## Universal Mounting Pattern

The E8M2 backplate is designed with a unique Mercury mounting pattern to provide the installer with a configuration mechanism capable of supporting up to 16 doors with system and lock power in an extremely efficient manner. The backplate is removable and mounts controllers and LSP modules in both single and dual voltage configurations.

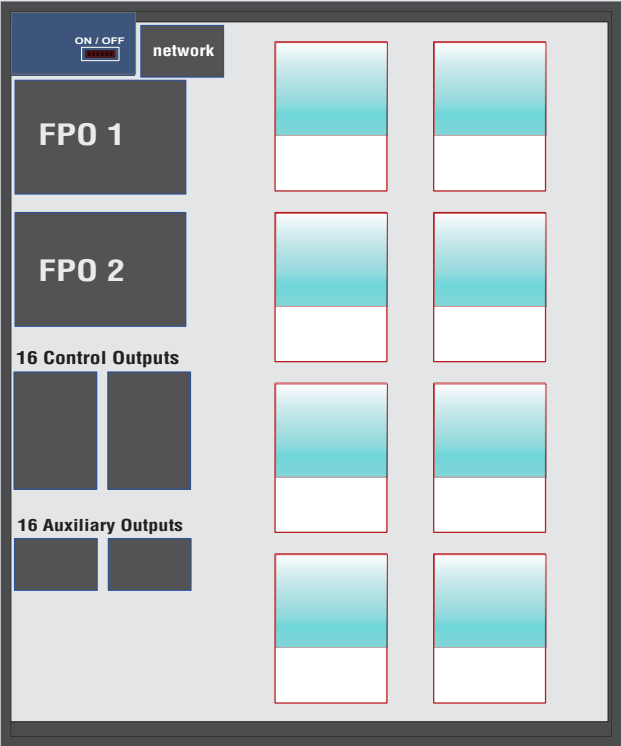
The 6.50" cabinet depth allows up to 12Ah battery sizes for greater stand-by time.

## LSP/Mercury Joint UL/CUL Listing

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

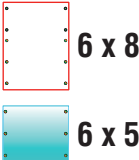


Backplate Mercury Mounting Guide



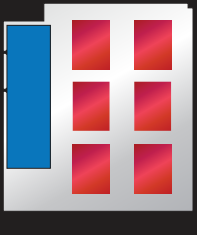
Mercury	Slots	Board Size
MR52 / LPxx	8	6 x 8
MR16in / MR16out	8	6 x 8
LP2500 / MUX8	8	6 x 5

(8) slots



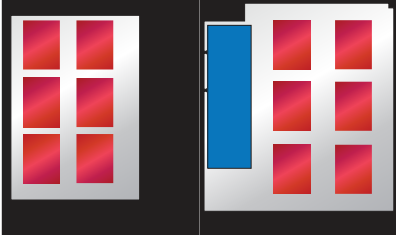
Additional E8M Enclosure Patterns

E8M



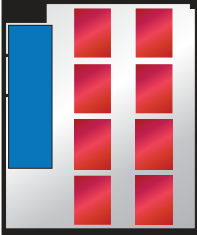
Main backplate  
6 boards

E8M1



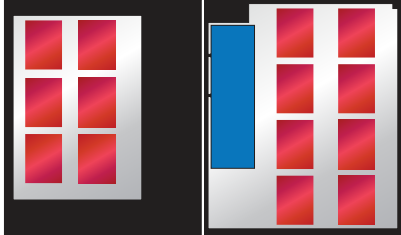
Main with door mount  
10 boards

E8M2



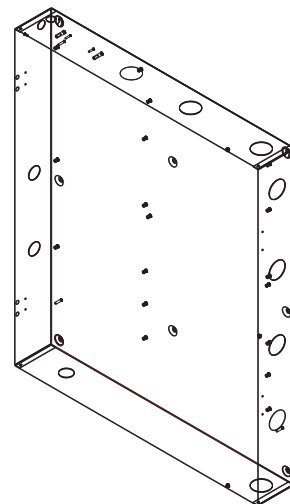
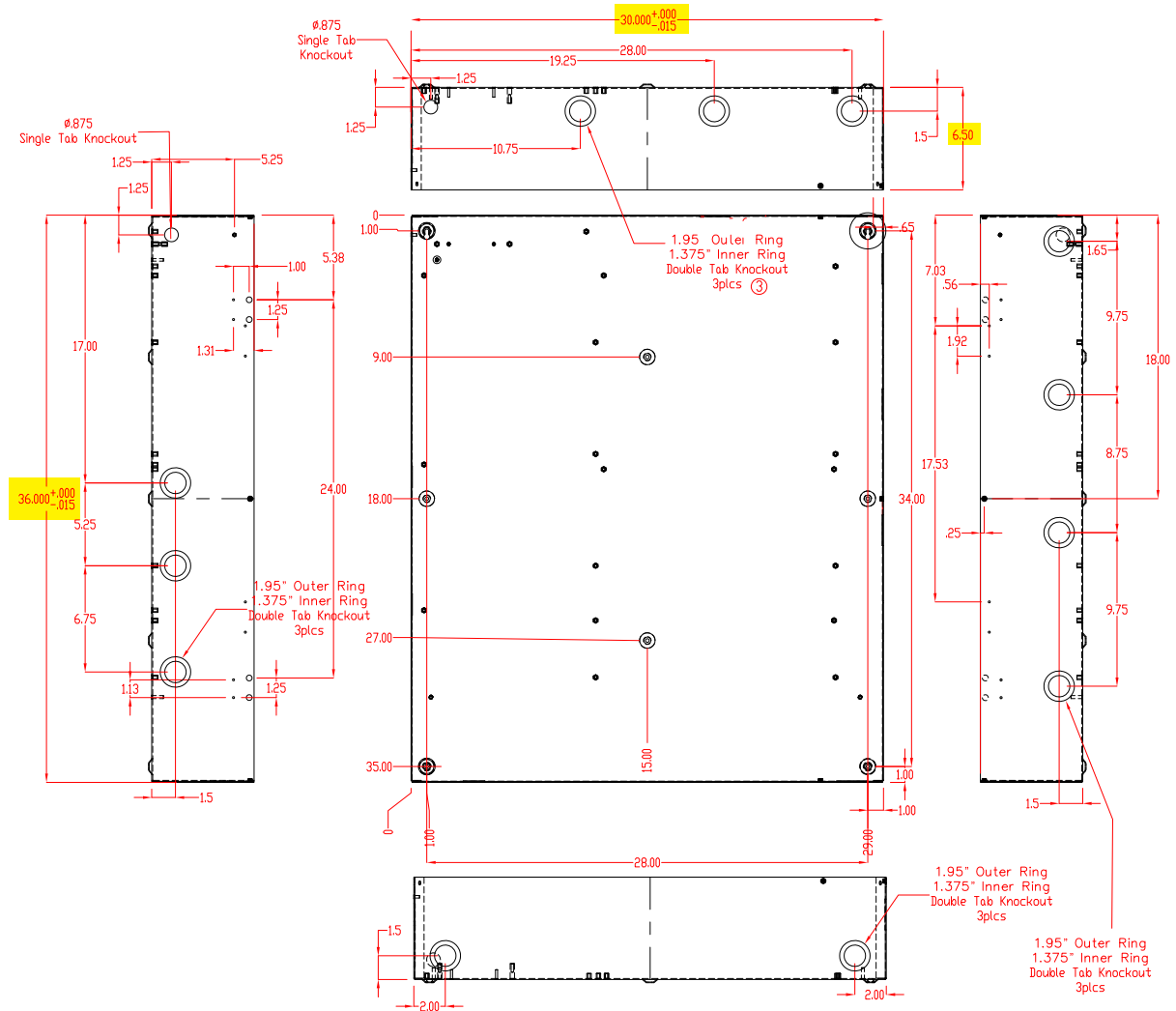
Main backplate  
8 boards

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



**[lifesafetypower.com](http://lifesafetypower.com)**

(888) 577-2898  
[info1@lifesafetypower.com](mailto:info1@lifesafetypower.com)

Specifications subject to change without notice.

© 2025 LifeSafety Power LLC. All rights reserved. LifeSafety Power and FlexPower are registered trademarks of LifeSafety Power LLC. All other trademarks and copyrights are the property of their respective owners.

Mercury Security is a registered trademark of Mercury Security.

P01-819\_2 07/25

**LifeSafety Power**

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