



Part No.	Door Count	Description	Weight
E8M1	16 Doors + I/O	Enclosure with main backplate	75 lbs

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



### Overview

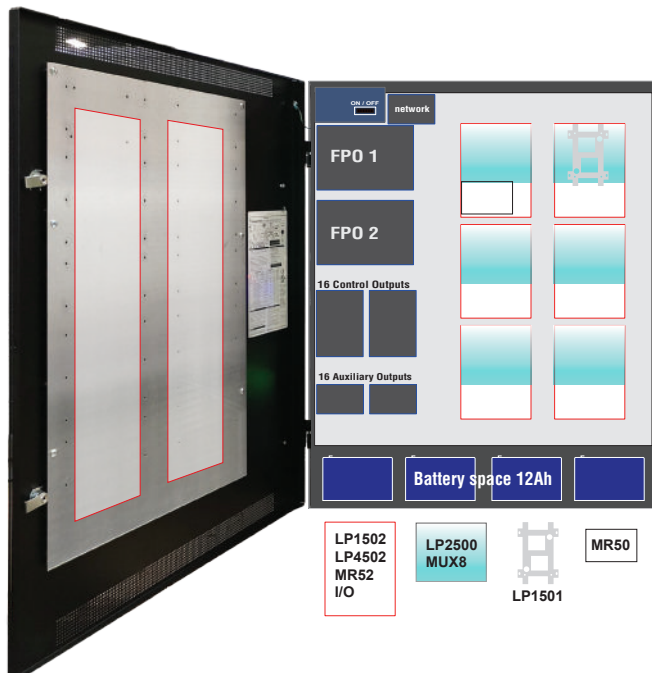
MCLASS multi-purpose enclosures offer maximum flexibility, functionality and savings to access system designers. MCLASS enclosures are engineered to house FlexPower® power management boards alongside Mercury Security® access panels in one compact, secure system. The E8M1 can be configured for a maximum of twelve or 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 remounted for final ties and checkout.

### Features

- Mounts LSP power and access hardware in a variety of combinations
- Removable backplates simplify 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

### Custom Backplate System



### Flexible Mounting Pattern

The E8M1 backplates are 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. The backplates are removable and mount controllers and LSP modules in both single and dual voltage configurations.

Six controllers can be mounted on the main plate and four more on the door. The 6.50" cabinet depth allows up to 12Ah battery sizes for greater standby time.

### LSP/Mercury Joint UL/CUL Listing

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

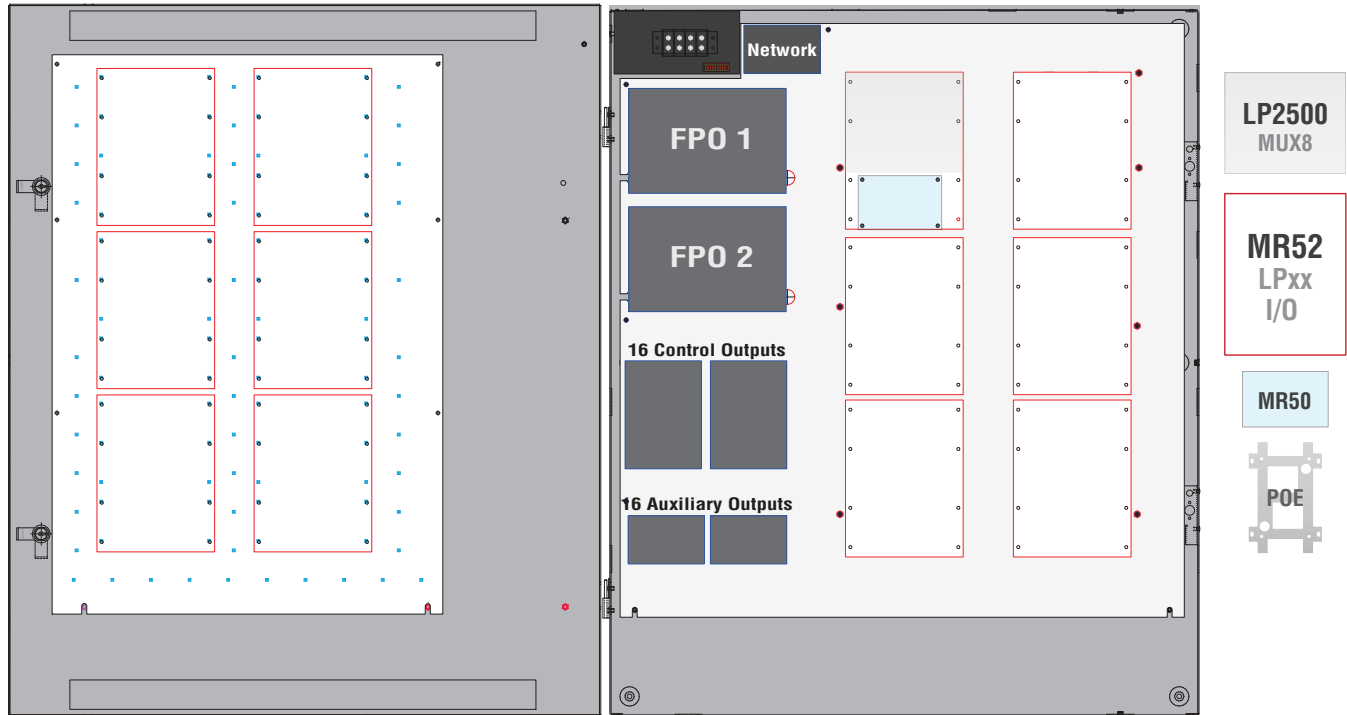


**E8M1 Mercury Mounting Guide**

Mercury	Slots	Area
MR52 / LPxx	12	6 x 8
MR16in / MR16out	12	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

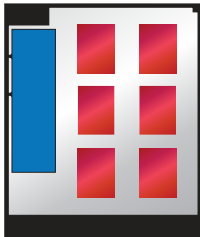
**Enclosure Features**

- ◆ Custom Backplate
  - Light weight aluminum with AC and battery slots to protect cables
  - LSP power modules down left channel simplify design
  - Vertical Mercury mounting pattern for maximum design flexibility
  - 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 simplifies field upgrades
  - 6.5" cabinet depth accommodates large battery sets
  - Removable door with "fast disconnect" ground strap
  - Multiple knockouts all four sides



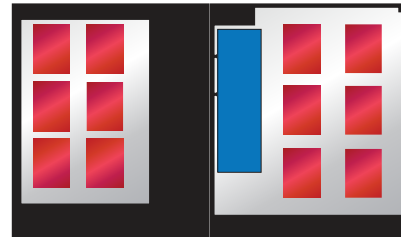
**Additional E8M Enclosure Patterns**

**E8M**



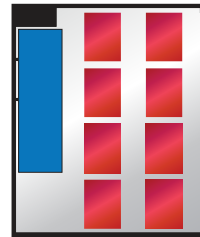
Main backplate  
6 boards

**E8M1**



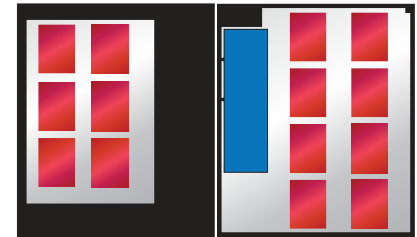
Main with door mount  
10 boards

**E8M2**



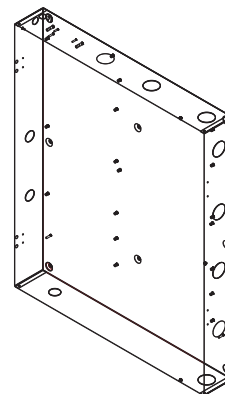
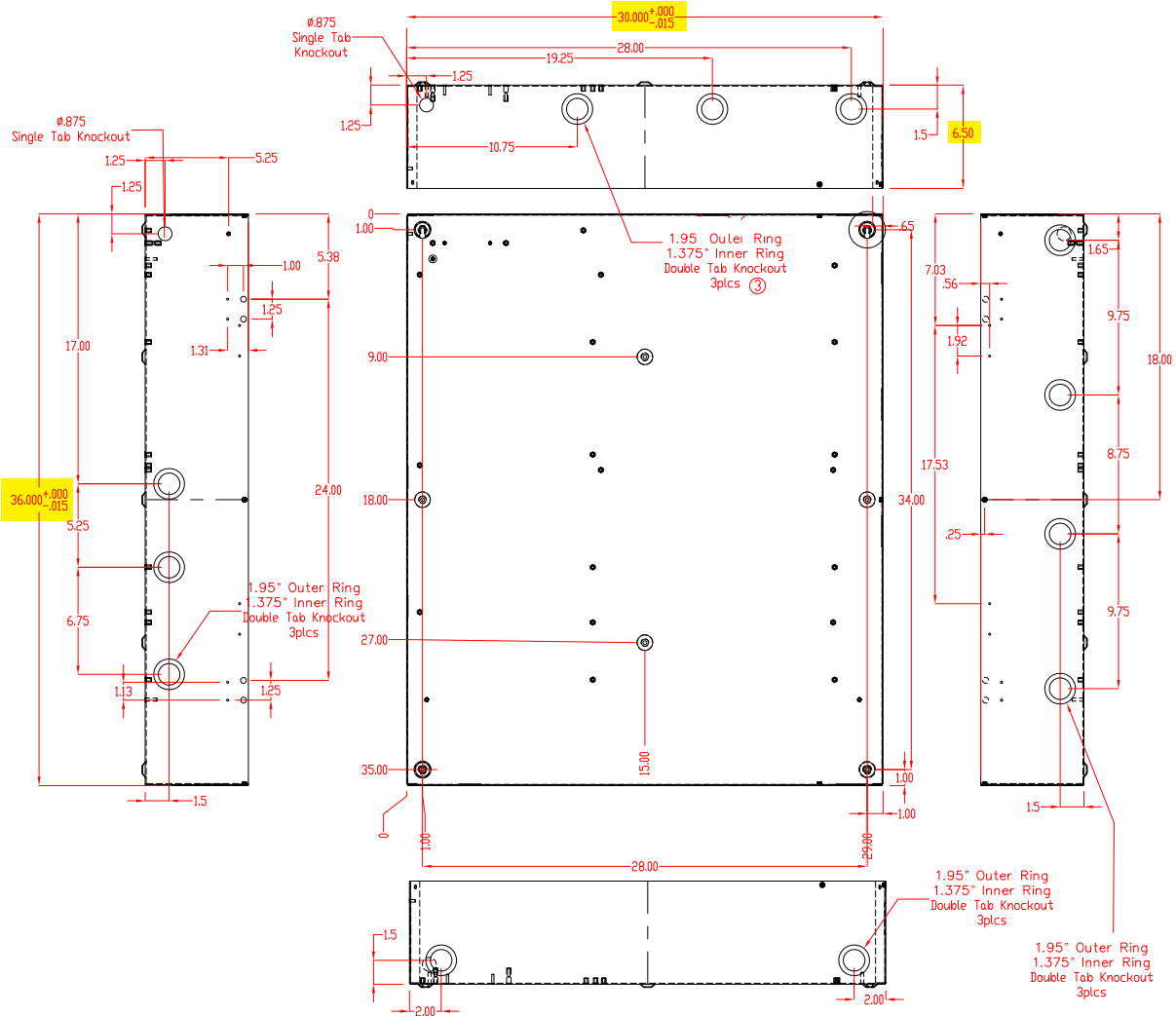
Main backplate  
8 boards

**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 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

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**LifeSafety Power**

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