

Part No.	Door Count	Description	Weight
E6M	4 - 8 Doors	Enclosure with main backplate	45 lbs
E6M1	8 - 18 Doors	Enclosure with main/door backplates	48 lbs

E6 enclosure size: 30H x 23W 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 UL294 listed system. The E6M / E6M1 enclosures cover a door count from eight to sixteen with dual voltage distribution and network monitoring.

To prevent damage to system electronics, the backplate(s) 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 backplate can be remounted for final ties and checkout.

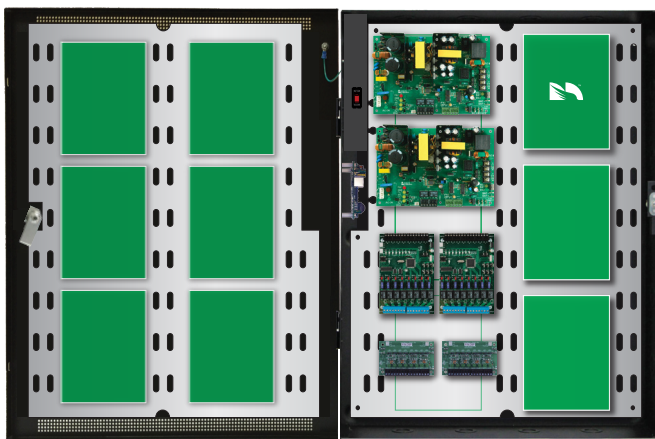
### Features

- Combines power and access panels in one secure, space saving UL enclosure
- Flexible pattern mounts Mercury boards in multiple locations
- Layout optimized for maximum wire channels with tie wrap slots
- Combination AC on/off switch with circuit breaker
  - ◆ Provides safe disconnect for convenient maintenance or service
- Mirrored backplate patterns maximize configuration possibilities
  - ◆ Main backplate mounts 4 controllers for eight doors
  - ◆ Door backplate expands capability to sixteen doors
- All Mercury mounting hardware provided

### Mechanical refinements

- ◆ Protected AC input terminal - meets arc protection requirements
- ◆ AC on/off circuit breaker switch simplifies servicing
- ◆ Lock with two (2) keys and installed tamper switch
- ◆ 6.5" enclosure depth accommodates 12Ah battery sizes
- ◆ Removeable door with quick disconnect grounding strap
- ◆ 16 Gauge steel with LSP black textured finish
- ◆ Multiple 0.50, 1.00, 2.00" knockouts

### Custom Backplate System



### Flexible Mounting Pattern

The E6M backplates are designed with a unique universal Mercury mounting pattern to provide the installer with a configuration mechanism capable of supporting both standard and PoE subassemblies in an extremely efficient manner for maximum door count.

The backplates are removable and mounts controllers and LSP modules in both single and dual voltage configurations. The E6M1 adds a door backplate for expansion of distribution modules or up to six more Mercury controllers.

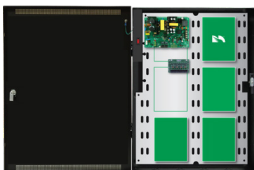
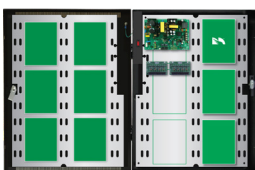
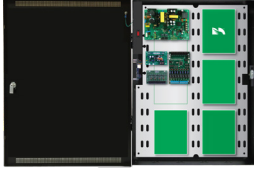
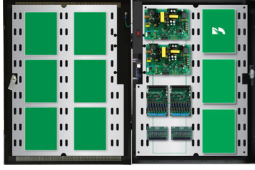
The 6.50" cabinet depth allows various battery sizes and capacities for greater standby time.

### LSP/Mercury Joint UL/CUL Listing

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



**E6M / E6M1 Available Mercury Slots**

Mercury	E6M		E6M1		E6M / 8 Door single/dual voltage	E6M1 / 16 Door single/dual voltage
	power	access	power	access		
MR52 / MR16in/out	4	6	9	12		
LP1502 / LP4502	4	6	9	12		
LP2500 / MUX-8	4	6	9	6		
LP1501 / MR51e	6	8	18	20		
MR50	1	1	1	1		

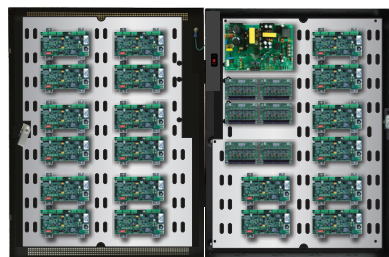
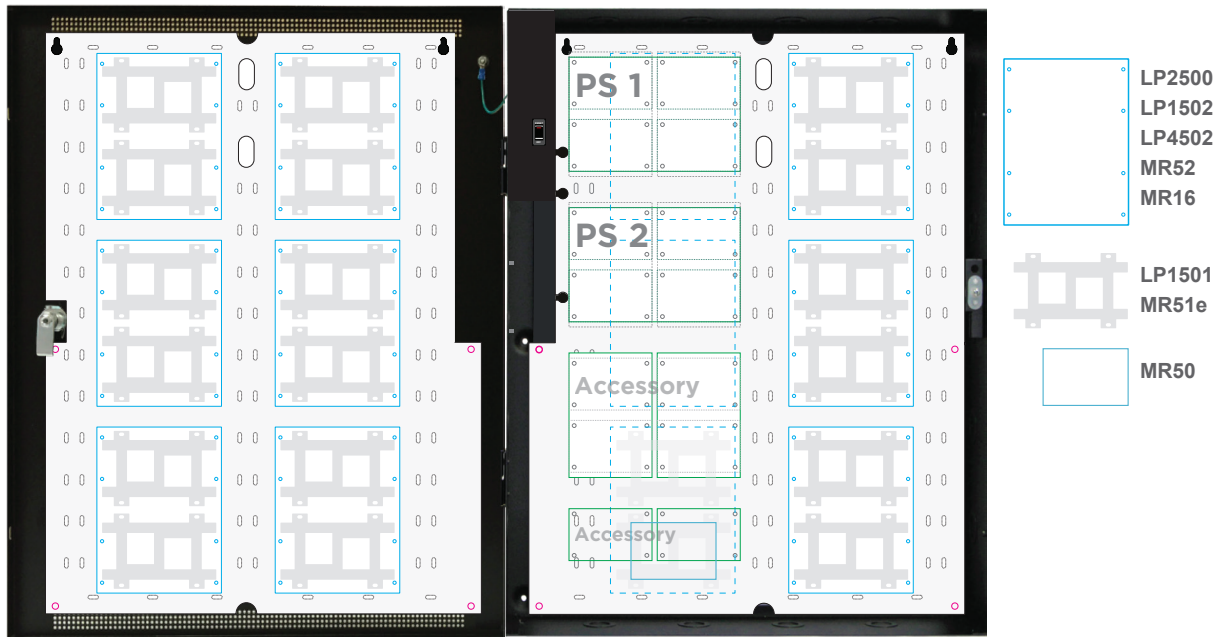
**Enclosure Features**

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

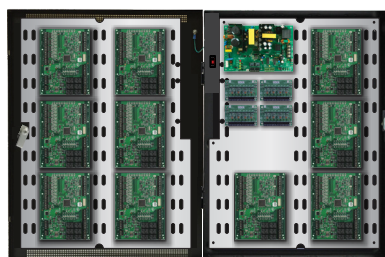
**Mercury Mounting Guide**

**E6M1 door**

**E6M main**



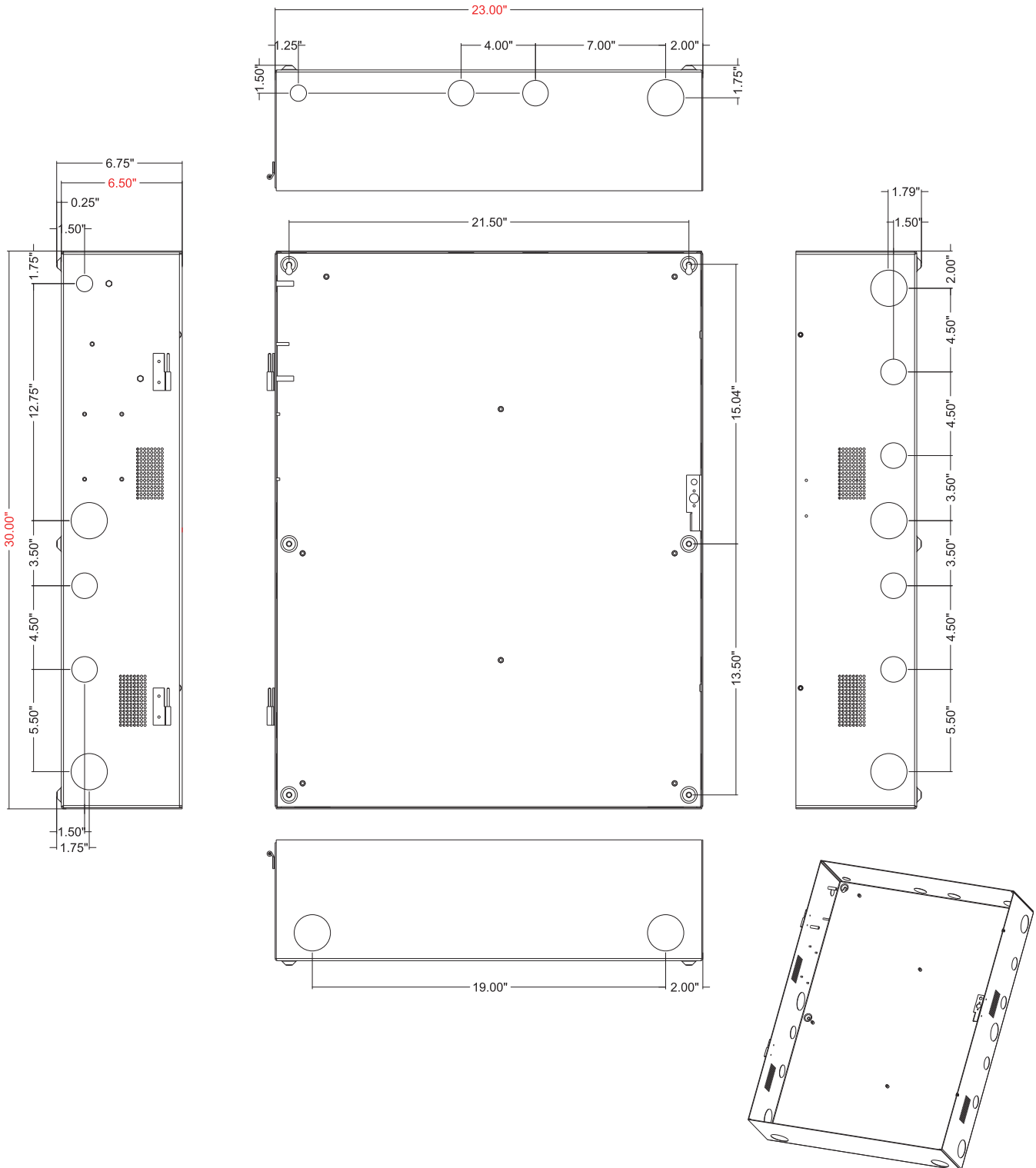
20 door POE



20 door standard

**E6 Mechanical Specification**

**30.00" x 23.00" x 6.50" (76 x 58.5 x 16.5 cm)**



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