



Overview

MCLASS™ Unified Power Systems combine FlexPower® power modules alongside Mercury Security™ access hardware in one compact and secure UL Listed solution.

This unit is a 12V and 24V DC dual voltage network managed access power system.

One M8 managed control module provides eight access control inputs capable of voltage or dry contact activation, and outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO. All inputs / outputs are software controlled for remote operation. One D8P module provides eight auxiliary class II outputs and each output is configurable for 12 or 24VDC operation.

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 and 24 VDC outputs
 - On board Fire Alarm Interface
 - Continuous and resettable DC
- ◆ **Distributed outputs**
 - 8 auxiliary, power limited at 2.5A each
 - 8 managed - fused at 3A each
- ◆ **Remote Monitoring & Control**
 - Live voltage / current reporting
 - Remote battery load testing
 - Output power cycling and abnormal operation alert
 - System / AC fault reporting
 - Email and SNMP trap notification
- ◆ **Lifetime Warranty**

Enclosure Features

- ◆ **Labor saving design**
 - Pre-wired power section
 - Pre-punched knockouts
 - Removeable backplate simplifies installs
 - Pre-defined hole pattern for all boards
 - Access panels mount on threaded standoffs - no drilling required
- ◆ **Additional benefits**
 - Wire management room
 - 6.5" enclosure depth for battery sets
 - AC on/off circuit breaker switch
 - Tamper switch, lock, dual key set standard
 - Mounting hardware for access boards included



Ordering

FP0150-B100D8PM8NL4E6M

Description

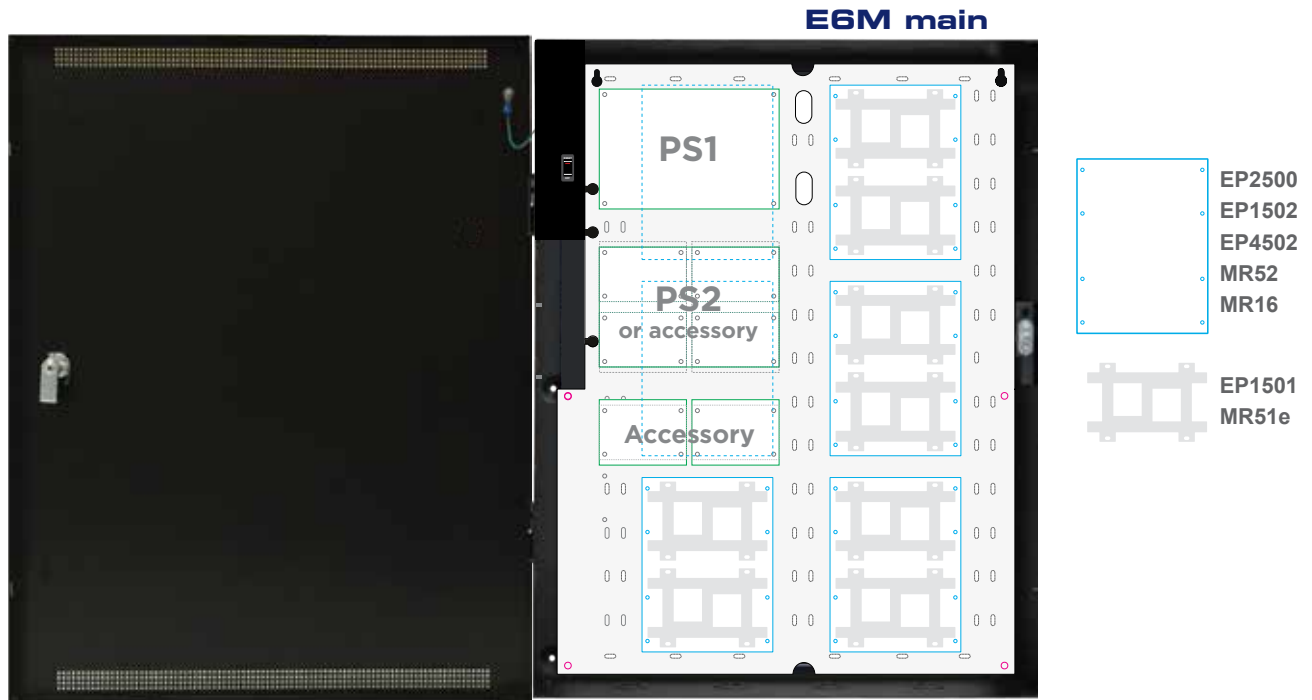
150W (12V & 24V) 8 managed/aux outputs, ntrwk



Specifications

Input Power	Input 120/230 VAC 50/60 Hz 170 Watts (1.41 Amps) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	4A@12V and 4A@24V DC, 150W maximum combined output power Outputs: Continuous (DC1) Resettable DC2 8 auxiliary outputs, class II rated at 2.5 Amps per output 8 managed outputs, fused at 3 Amps per output 120 mV output voltage ripple System Efficiency: 88% System BTU Rating: 66 BTU/Hr
Battery Charging	Independent built-in 2A charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets 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 and power supply failure
Visual Indicators	AC input, DC1 and DC2 output System fault AC fault Short to earth ground Reverse battery polarity Fire Alarm Input activated B100: DC input / output and Fault D8P: DC output M8: DC input / output and Fault
Regulatory Compliance	UL294, UL603, UL1076, ULC S318, ULC S319
Mercury/LSP	CSA C22.2 #107.1, CSA 22.2 #60950
Joint Listing	CSFM / FCC Part 15, Subpart B CE
Enclosure Dimensions	Size: 30.00H x 23.00W x 6.50D in. (76.00 x 59.00 x 16.50 cm) Weight: 45 lbs.
Access Panel Mounting	EP1501, EP1502, EP4502, EP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300

E6M Universal Mercury Mounting Pattern

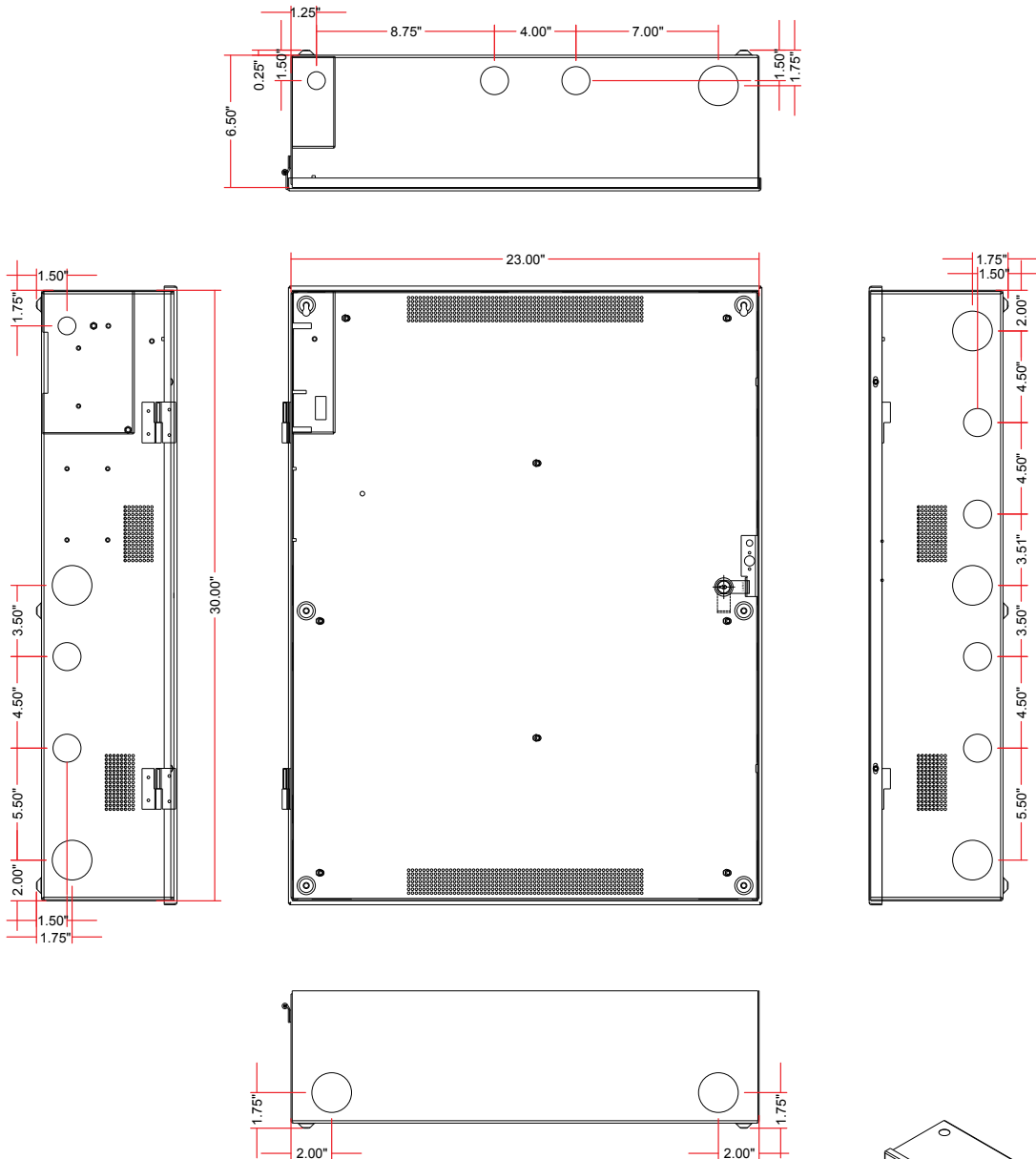


Enclosure Features

- ◆ **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 tye wrap
- ◆ **Enclosure**
 - Protected AC cover with on/off circuit breaker for maintenance safety
 - Pre-drilled mounting holes simplifies field upgrades
 - 4.5" cabinet depth accommodates large battery sets
 - Removable door with "fast disconnect" ground strap
 - Multiple knockouts all four sides

E6 Enclosure Dimensions (H x W x D)

30.00" x 23.00" x 6.50" (76 x 58 x 16.5 cm)



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Specifications subject to change without notice.

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