

MCLASS

Integrated Mercury power systems

All-in-one UL/cUL power solutions for 2, 4, 8 and 16 door Mercury Security access controllers. Single, Dual Voltage / Networked.

[Mercury Product Guide](#) / [MCLASS Enclosure Guide](#)



{jatabs type="content" position="top" width="650" heightTabs="30" height="1850" mousetype="click" animType="animMoveHor" skipAnim="false" duration=1000 } [tab title="Products"]

Standard Mercury Power

Doors	Single Voltage	Current/Voltage	Enclosure
2	FPO75-D8PE1M	6A/12V, 3A/24V	14Hx12Wx4.5D
4	FPO75-D8PE2M	6A/12V, 3A/24V	20Hx16Wx4.5D
8	FPO75-D8PE4M	6A/12V, 3A/24V	24Hx20Wx6.5D
8	FPO75-D8PE6M	12A/12V, 6A/24V	30Hx23Wx6.5D

16	FPO150-D8PE4M1	12A/12V, 6A/24V	24Hx20Wx6.5D
16	FPO150-D8PE6M1	12A/12V, 6A/24V	30Hx23Wx6.5D
12	FPO150-D8PE8M	12A/12V, 6A/24V	36Hx30Wx6.5D
16	FPO150-2D8PE8M1	12A/12V, 6A/24V	36Hx30Wx6.5D
16	FPO150-2D8PE8M2	12A/12V, 6A/24V	36Hx30Wx6.5D
Doors	Dual Voltage		
2	FPO75-B100C4PE1M	2A/12V and 2A/24V	14Hx12Wx4.5D
4	FPO75-B100C4D8PE2M	2A/12V and 2A/24V	20Hx16Wx4.5D
8	FPO150-B100C8D8PE4M1	4A/12V and 4A/24V	24Hx20Wx6.5D
8	FPO150-B100C8D8PE6M	4A/12V and 4A/24V	30Hx23Wx6.5D
16	FPO150/250-2C82D8PE4M1	12A/12V and 10A/24V	24Hx20Wx6.5D
12	FPO75/150-C4C82D8PE8M	6A/12V and 6A/24V	36Hx30Wx6.5D

16	FPO150/250-2C82D8PE6M1	12A/12V and 10A/24V	30Hx23W
16	FPO150/250-2C82D8PE8M1	12A/12V and 10A/24V	36Hx30W
16	FPO150/250-2C82D8PE8M2	12A/12V and 10A/24V	36Hx30W
Managed Mercury Power Doors 4	Dual Voltage FPO75-B100M8NL4E4M	2A/12V and 2A/24V	24Hx20Wx
8	FPO150-B100D8PM8NL4E4M	4A/12V and 4A/24V	24Hx2
8	FPO150-B100D8PM8NL4E6M	4A/12V and 4A/24V	30Hx2
16	FPO150/250-2D8P2M8NL4E4M1	12A/12V and 10A/24V	24
16	FPO150/250-2D8P2M8NL4E6M1	12A/12V and 10A/24V	30
16	FPO150/250-2D8P2M8NL4E8M1	12A/12V and 10A/24V	36

16

[FPO150/250-2D8P2M8NL4E8M2](#)

12A/12V and 10A/24V

36

Enclosures		
2	E1M	14Hx12Wx4.5D
2-4	E2M	20Hx16Wx4.5D
4-8	E4M	24Hx20Wx6.5D
8-16	E4M1*	24Hx20Wx6.5D
4-8	E6M	30Hx23Wx6.5D
8-16	E6M1	30Hx23Wx6.5D
8-12	E8M	36Hx30Wx6.5D
12-16	E8M1	36Hx30Wx6.5D
16	E8M2	36Hx30Wx6.5D
16-18	E8MH**	36Hx30Wx6.5D

[EPLT-1M](#) Mercury expansion plate

*No battery space for 16 doors

**E8MH all access enclosure

Other configurations possible in standard and managed systems - contact Technical Support

Integrated Access & Power

- MCLASS all-in-one power systems puts power and Mercury™ panels in one secure locking enclosure
- One AC drop minimizes wall space, simplifies installation, reduces time & labor costs
- FlexPower™ modularity and MCLASS versatility create unlimited system configurations
- Network options for diagnostic monitoring and control of power, battery and connected devices

Labor Saving Enclosure Design

- Factory pre-wired power section saves configuration time
- Removable backplate simplifies controller wiring

- Large enclosure depth accomodates battery sets
- Multiple knockout areas along all four sides

System Refinements

- Fault detection and reporting to host power supply and over the network with optional NetLink module
- Large enclosures with room for increased power, added output distribution or remote monitoring
- Modular power and distribution boards with snap-in standoffs simplify service and field upgrades
- Cam lock set, tamper switch and backplate hardware to mount the access control panels is included

[/tab] [tab title="Overview"] **PRODUCT HIGHLITES**

MCLASS unified power systems offers maximum flexibility, functionality and savings to access system designers.

MCLASS enclosures are engineered to house FlexPower™ power management boards alongside Mercury Security access controllers in one compact, secure system. TM

To prevent damage to system electronics, the backplate seperates 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

- Removable back plate simplifies job installation
- Engineered backplate pattern minimizes installation time
- Power boards mount on snap-in stand offs
- Access boards mount on supplied threaded metal standoffs

Mechanical refinements

- Large enclosure depth to accommodate battery

- 19 Gauge steel with textured black finish
- Board mounting hardware provided
- Lock and tamper switch standard

Reliability and Safety

- Lifetime Warranty
- RoHS Compliant

Agency Listings

- UL 294 / UL 603
- UL 1076
- ULC S318, 319,
- FCC Part 15, Subpart B
- CSA C22.2 107.1
- CSA 22.2 #60950
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[Product Warranty](#)

[/tab] [tab title="Technical Documents"]

Mercury Standard Power					
Single Voltage		Datasheet		Install Manual	CAD F
FPO75-D8PE1M		DS	IM	CAD	AG
FPO75-D8PE2M		DS	IM	CAD	AG
FPO75-D8PE4M		DS	IM	CAD	AG
FPO75-D8PE6M		DS	IM	CAD	AG
FPO150-D8PE4M1		DS	IM	CAD	AG
FPO150-D8PE6M1		DS	IM	CAD	AG
FPO150-D8PE8M		DS	IM	CAD	AG
FPO150-2D8PE8M1		DS	IM	CAD	AG
FPO150-2D8PE8M2		DS	IM	CAD	AG
Dual Voltage		Datasheet		Install Manual	CAD F

FPO75-B100C4PE1M	DS	IM	CAD	AG
FPO75-B100C4D8PE2M	DS	IM	CAD	AG
FPO150-B100C8D8PE6M	DS	IM	CAD	AG
FPO150-B100C8D8PE4M1	DS	IM	CAD	AG
FPO150/250-2C82D8PE6M	DS	IM	CAD	AG
FPO75/150-C4C82D8PE8M	DS	IM	CAD	AG
FPO150/250-2C82D8PE8M	DS	IM	CAD	AG
FPO150/250-2C82D8PE8M	DS	IM	CAD	AG
Mercury Managed Power				
Dual Voltage				

[Datasheet](#)

[Install Manual](#)

[CAD F](#)

FPO75-B100M8NL4E4M	DS	IM	CAD	AG
FPO150-B100D8PM8NL4E4M	DS	IM	CAD	AG
FPO150-B100D8PM8NL4E6M	DS	IM	CAD	AG
FPO150/250-2D8P2M8NL4E4M1	DS	IM	CAD	AG
FPO150/250-2D8P2M8NL4E6M1	DS	IM	CAD	AG
FPO150/250-2D8P2M8NL4E8M1	DS	IM	CAD	AG
FPO150/250-2C82D8PE8M	DS	IM	CAD	AG
Mercury Enclosures				
E1M	DS	IM	CAD	AG
E2M	DS	IM	CAD	AG
E4M	DS	IM	CAD	AG
E4M1	DS	IM	CAD	AG
E6M	DS	IM	CAD	AG
E6M1	DS	IM	CAD	AG
E8M	DS	IM	CAD	AG
E8M1	DS	IM	CAD	AG
E8M2	DS	IM	CAD	AG

[/tab] [tab title="Support"]

[Troubleshooting Guide](#)

[Factory Contact](#)

[Business Contact](#)

[FPO Troubleshooting](#)

[Email Customer Service](#)

[Accounting Office](#)

[Accessory Troubleshooting](#)

[Email Technical Department](#)

[Area Sales](#)

[Representatives](#)

[/tab] [tab title="Tools & Software"] **Tools & Software**

Excel spreadsheets designed by the LifeSafety Power technical department to aid the installer in required calculations and example configurations of LifeSafety Power equipment when used in commonly found system applications.

[Calculators / Software](#)

[B100 Power Calculator](#)

[PowerCom-USB Download](#)

[Ohms Law Calculator](#)

[Battery Size Calculator](#)

[Battery Capacity Calculator](#)

[Wire Size Calculator](#)

[Voltage Drop Calculator](#)

[FlexCalculator Suite](#)

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Application Notes

[AN26_Distribution options](#)

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