LifeSafety Power®

FLEXPOWER **FPO150/250-2C82D8E8A**
ACLASS™ UNIFIED POWER SYSTEM
400W / 12 & 24VDC / 16 Doors
16 Lock / 16 Auxiliary Outputs

Overview

ACLASS™ Unified Power Systems combine FlexPower® power modules alongside AMAG™ access hardware in one compact and secure access power solution.

This unit is a 400W dual voltage 12V and 24V DC access power system.

Two C8 lock control modules provide sixteen access control inputs capable of voltage or dry contact activation, and sixteen outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO. Two D8 modules provides sixteen auxiliary outputs and each output is configurable for 12 or 24VDC operation.
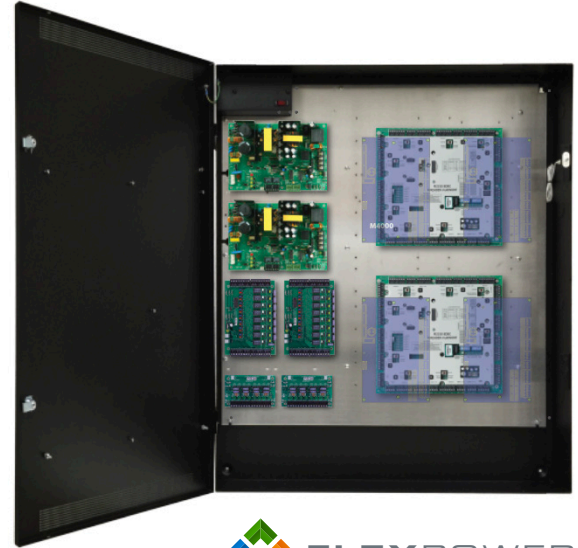
ACLASS enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

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**
  - – Sixteen auxiliary, fused at 3A each
  - – Sixteen controlled, fused at 3A each

- ◆ **Expansion options**
  - – Increased power, multiple voltages
  - – Additional distribution outputs
  - – Network monitoring and reporting

- ◆ **Lifetime warranty**

Enclosure Features

- ◆ **Labor saving design**
  - – Pre-wired power section
  - – Pre-punched knockouts
  - – Removeable backplate simplifies installs
  - – Pre-defined hole pattern for power section
  - – Access panels mount on threaded standoffs - no drilling required

- ◆ **Additional benefits**
  - – Wire management room
  - – 6.5" enclosure depth fits battery set
  - – Tamper switch, lock, dual key set standard
  - – Mounting hardware for access boards included

FLEXPOWER
UNIFIED POWER SOLUTIONS

Ordering	Description
FPO150/250-2C82D8E8A	400W (12V & 24V) 16 lock & aux outputs, ACLASS enclosure

Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 452 Watts Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	FPO150: 12V/12A or 24V/6A | 150 Watts FPO250: 12V/20A or 24V/10A | 250 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 lock outputs, fused at 3A each 16 auxiliary outputs, fused at 3A each 120 mV output voltage ripple System Efficiency: 87% | System BTU Rating: 175 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 Charges up to 80Ah battery sets within UL limit Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Supervision	AC Fail (form "C" contacts) System Fault (form "C" contacts) may be triggered by low/no battery, short to earth ground, power supply failure or blown fuse
Visual Indicators	AC input, DC1 and DC2 output System fault | AC fault | Short to earth ground | Reverse battery polarity Fire Alarm Input activated C8 output and fault status D8 output status
Regulatory Compliance (LSP equipment)	UL294, UL603, UL1076 ULC S318, ULC S319, CSA C22.2 #107.1, CSA C22.2 #60950 FCC Part 15, Subpart B / CSFM Approved
Enclosure Dimensions	Size: 36.00H x 30.00W x 6.50D in. (91.00 x 76.00 x 16.50 cm) | Weight 85 lbs.
Access Mounting	AMAG M4000, 8DBC, 4DBC, 8DC, 4DCN, 8DBC, 4DBC, 8DC, 4DCN, DBU

E8A ACLASS backplate mounting pattern for power and access boards
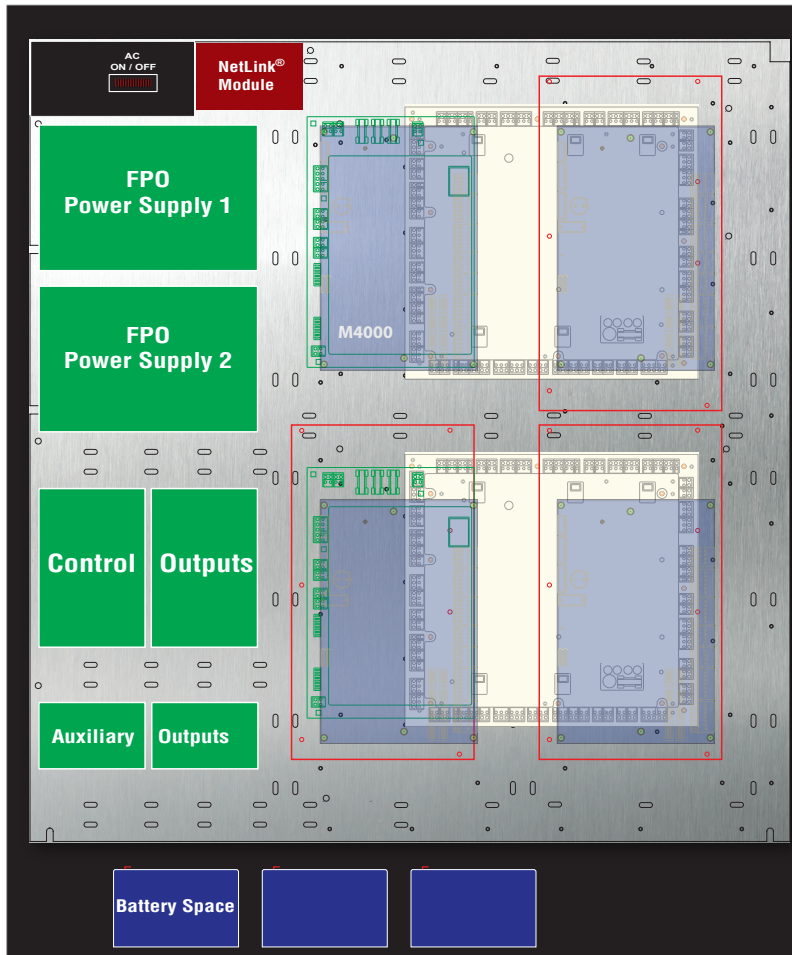
Pattern	Slots	Fits AMAG
Tan	2	8DBC, 8DC, 4DBC, 2DBC
Red	2	4DC, AC24/24, OC4/24
Green	2	DBU
Purple	4	M4000

LifeSafetyPower.com

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Specifications subject to change without notice.

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