## 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 networked dual voltage 12V and 24V DC access power system.

Two M8 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 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 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*
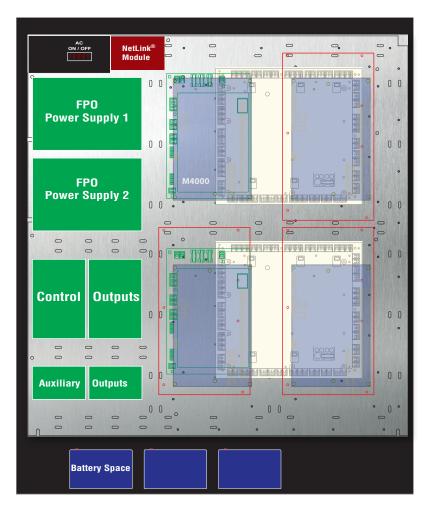  – *Mounting hardware for access boards included*

**FLEX**POWER
UNIFIED POWER SOLUTIONS

| Ordering | Description |
|---|---|
| FPO150/250-2D82M8NL48E8A | 400W (12V & 24V) 16managed/aux outputs, networked |

c**UL**us   CE   RoHS compliant

## Specifications

| | |
|---|---|
| **Input Power** | Input 120/230 VAC 50/60 Hz \| 452 Watts<br>Overload and short circuit protection<br>Over temperature protection<br>Polarized AC power supply disconnect |
| **Output Power** | FPO150: 12V/12A or 24V/6A \| 150 Watts<br>FPO250: 12V/20A or 24V/10A \| 250 Watts<br>Outputs: Continuous (DC1) Resettable (DC2)<br>16 managed outputs, fused at 3A each<br>16 auxiliary outputs, fused at 3A each<br>120 mV output voltage ripple<br>System Efficiency: 87% \| System BTU Rating: 175 BTU/Hr |
| **Battery Charging** | Independent built-in 2A charger for sealed lead acid or gel type batteries<br>Microprocessor dual rate charging of 12 or 24 V battery sets<br>Charges up to 80Ah battery sets within UL limit<br>Automatic switchover to standby battery when AC fails<br>Zero voltage drop when switched over to battery backup |
| **Supervision** | AC Fail (form "C" contacts)<br>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<br>System fault \| AC fault \| Short to earth ground \| Reverse battery polarity<br>Fire Alarm Input activated<br>M8 input, output and fault status<br>D8 output status |
| **Regulatory Compliance (LSP equipment)** | UL294, UL603, UL1076<br>ULC S318, ULC S319, CSA C22.2 #107.1, CSA C22.2 #60950<br>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 |

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Specifications subject to change without notice.

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