

# FLEXPOWER FP0250-2D82M8NL4E8P

Networked PCLASS™ UNIFIED POWER SYSTEM 400W / 12 or 24VDC / Multi-Doors 16 Auxiliary & 16 Managed Outputs

### **Overview**

Networked PCLASS™ Unified Power Systems combine FlexPower® power modules alongside Paxton Access hardware in one compact, secure enclosure.

This unit is a 12V or 24V DC single voltage networked 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 provide sixteen auxiliary outputs and each output is configurable for 12 or 24VDC operation.

Network module monitors both power supplies and battery set(s). PCLASS 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 or 24 VDC outputs
- On board Fire Alarm Interface
- Continuous and resettable DC
- Power Distribution
  - Eight auxiliary, fused at 3A each
  - Eight managed, fused at 3A each
- Remote Monitoring & Control
  - Live voltage / current reporting
  - Remote battery load testing - Output power cycling and abnormal opera-

  - System / AC fault reporting

Lifetime Warranty

### **Enclosure Features**

- Engineered NET2 backplate
  - Pattern fits thirteen (13) controllers

### 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



Ordering	Description	
FP0250-2D82M8NI 4F8P	Networked 400W (12V or 24V) 16 Aux, 16 Managed Outputs	



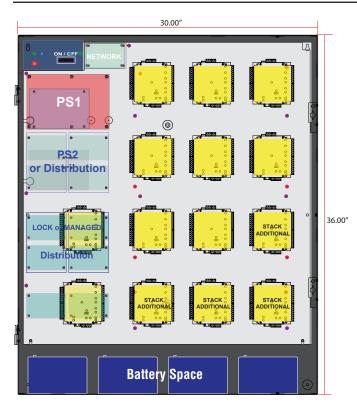




## **Specifications**

Input Power	Input 120/230 VAC 50/60 Hz   282 Watts
	Overload and short circuit protection
	Over temperature protection
	Polarized AC power supply disconnect
Output Power	FP0250: 12V/20A or 24V/10A   250 Watts
	Outputs: Continuous (DC1) Resettable (DC2)
	16 auxiliary outputs, fuse rated at 3.0 Amps per output
	16 managed outputs, fuse rated at 3.0 Amps per output
	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
battory onarging	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
	D8: DC outputs
	M8: DC outputs and Fault
<b>Regulatory Compliance</b>	UL294, UL603, UL1076
(LSP Equipment)	ULC S318, ULC S319, CSA C22.2 #107.1, CSA C22.2 #60950
,	CE   FCC Part 15, Subpart B   CSFM Approved
Physical Dimensions	Enclosure: 36.00H x 30.00W x 6.50D in. (91.00 x 76.00 x 16.50 cm)
Access Panel Mounting	(13) NET2 controllers (can double stack controller for higher door counts)

# Paxton Access Mounting Guide



## **Enclosure Features**

## • Custom Backplate

- Light weight aluminum with AC and battery slots to protect cables
- LSP pre-wired power modules reduce installation time
- Front side screw in standoffs simplifies panel installation
- Wide wire management channels for panduit or tie wrap

### Mechanical

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

Paxton Access	Available Slots in Single Voltage	
NET2*	13*	
*Stack for higher door counts		

# lifesafetypower.com

(888) 577-2898 info@lifesafetypower.com

Specifications subject to change without notice.

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## LifeSafety Power

10027 S. 51st Street, Suite 102 Phoenix, AZ 85044 USA