

Overview

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

This unit is a 12V and 24V DC dual 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 / fail-secure 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 and 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 operation alert
 - System / AC fault reporting
- ◆ **Lifetime Warranty**

Enclosure Features

- ◆ **Engineered NET2 backplate**
 - Pattern fits twelve (12) 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

FPO150/250-2D82M8NL4E8P Networked 400W (12V & 24V) 16 Aux, 16 Managed Outputs



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 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 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
Regulatory Compliance (LSP Equipment)	UL294, UL603, UL1076 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	(12) 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 Dual Voltage
NET2*	12*
*Stack for higher door counts	

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