LifeSafety Power®

Overview

HCLASS™ Unified Power Solutions are engineered to house FlexPower® power modules alongside HW Pro-Watch™ access hardware in one compact, secure system.

This unit is a 12V and 24V DC dual voltage network managed access power system.

Dual 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. Dual D8P modules provide sixteen auxiliary Class II outputs and each output is configurable for 12 or 24VDC operation.
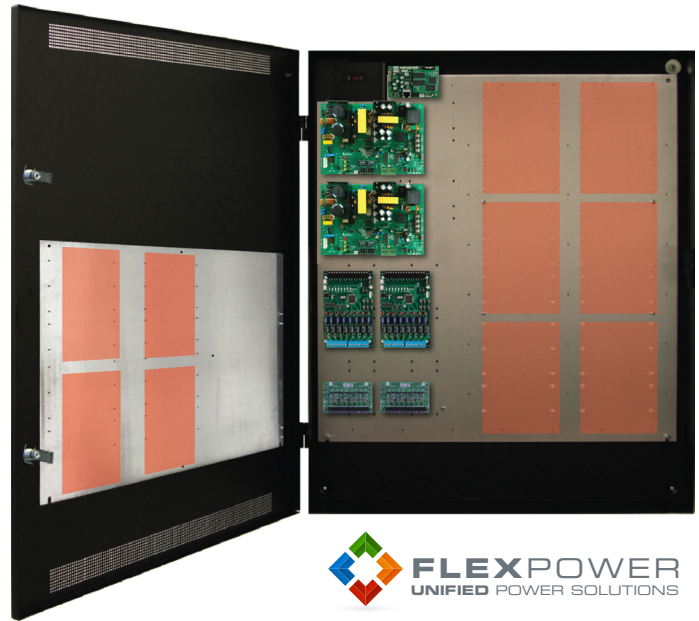
HCLASS enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

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**
  - – 16 auxiliary, power limited at 2.5A each
  - – 16 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

FLEXPOWER
UNIFIED POWER SOLUTIONS

Ordering	Description
FPO150/250-2D8P2M8NL4E8H1	400W (12V & 24V) 16 managed/aux outputs, ntwrk

Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 564 Watts Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	PS1: FPO250: 12V/20A or 24V/10A | 250 Watts PS2: FPO250: 12V/20A or 24V/10A | 250 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 managed lock control outputs fused at 3A per output 16 auxiliary outputs fused at 3A per output 120 mV output voltage ripple System Efficiency: 87% | System BTU Rating: 218 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 input, output and fault
Regulatory Compliance (LSP equipment)	UL294, UL603, UL1076 ULC S318, ULC S319, CSA C22.2 #107.1, CSA C22.2 #60950 CE | CSFM Approved | FCC Part 15, Subpart B
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 Panel Mounting	Pro-Watch Controllers

E8H1 Enclosure Mounting Pattern
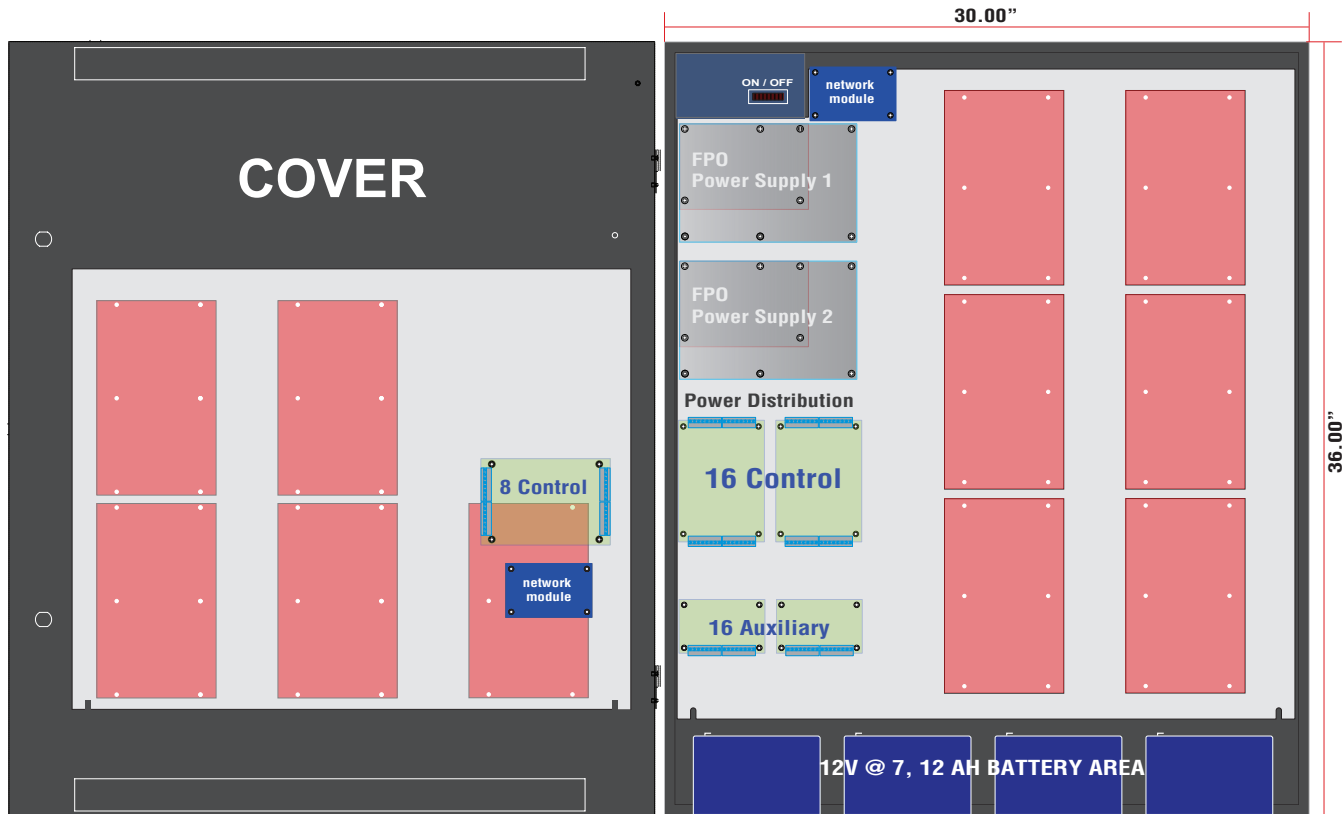
Pro-Watch Panel	Available Slots
Controller	11
Reader	11
I/O	11

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

 Specifications subject to change without notice.

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