LifeSafetyPower®

FLEXPOWER **FPO150/250-2C82D8E6S1**
SCLASS™ UNIFIED POWER SYSTEM
400W / 12 & 24VDC / 16 Doors
16 Lock / 16 Auxiliary Outputs

Overview

SCLASS™ Unified Power Systems are engineered to house FlexPower® power modules alongside SWH iSTAR™ access hardware in one compact listed enclosure.

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

Two C8 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.

SCLASS 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 lock control, 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
FPO150/250-2C82D8E6S1	400W (12V & 24V) 16 control/aux outputs, SCLASS enclosure

Specifications

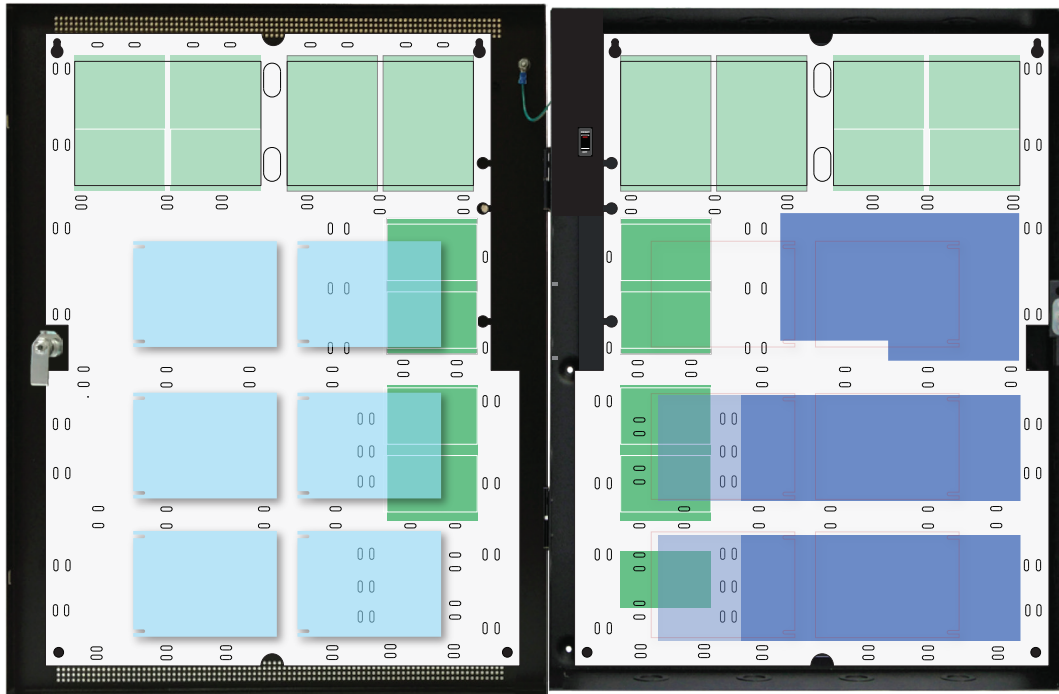|	
Input Power	Input 120/230 VAC 50/60 Hz	452 Watts Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	FPO150: 12V/12A or 24V/6A	150 Watts FPO250: 12V/20A or 24V/10A	250 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 lock control lock 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 D8: DC outputs C8: DC outputs and fault
Regulatory Compliance LSP/SWH Joint Listing	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: 30.00H x 23.00W x 6.50D in. (76.00 x 59.00 x 16.50 cm)	Weight: 45 lbs.
Access Mounting	SWH ULTRA Controllers

E6S /E6S1 Software House Mounting Guide

Software House Controller	Mounting Slots	
	E6S main	w/E6S1 door
GCM	1	
ACM ULTRA/ULTRA SE	2	2
I/O	6	6

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*
 – *Tie wrap wire management channel*

◆ **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*

E6S1 door　　　　　　　　　**E6S main**

LifeSafetyPower.com

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Specifications subject to change without notice.