

FlexPower E2 Expandable Power

16 x 20 x 4.5 Enclosure



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Model #	Output Voltage	Output Current	
FPO75/75-E2	12/24 and 12/24	6/3 and 6/3	75W/75W
FPO75/150-E2	12/24 and 12/24	6/3 and 12/6	75W/150W
FPO75/250-E2	12/24 and 12/24	6/3 and 20/10	75W/250W
FPO150/150-E2	12/24 and 12/24	12/6 and 12/6	150W/150W
FPO150/250-E2	12/24 and 12/24	12/6 and 20/10	150W/250W
FPO250/250-E2	12/24 and 12/24	20/10 and 20/10	250W/250W

System Features

The FlexPower E2 Expandable Power Systems offer two FPO power supply-battery chargers housed in a large E2 cabinet for expansion and maximum field configuration flexibility.

Listed modular accessories that can be added to any system include: power distribution, relay based lock control, egress lock control, secondary voltage and network connection.

Each power supply provides two pairs of outputs, each pair user selectable for 12 or 24 VDC, the unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space. One output of a pair provides continuous output power for system use, the second is programmable for either fail-safe or fail-secure operation, activated when the fire alarm disconnect is initiated.

Complete fault detection and reporting, with programmable fault delays, is provided along with datalogging capability of fault occurrence, battery usage time and current power supply status.

[/tab] [tab title="Overview"]

Each power supply in the E2 cabinet (16 x 20 x 4.5) provides two pairs of outputs, each pair user selectable for 12 or 24 VDC, the unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space. One output of a pair provides continuous output power for system use, the second is programmable for either fail-safe or fail-secure operation, activated when the fire alarm disconnect is initiated.

FlexPower accessory boards can be added to a FlexPower system in ANY combination based on job requirements and system retains its complete agency listing.

Product highlights

- Fully modular power management system
- Multiple outputs for system power, direct lock control and accessory power distribution modules
- Fire alarm interface for egress lock control (FAI)
- Configurable fail-safe / fail-secure modes of operation
- Comprehensive fault detection and reporting including optional earth ground and battery presence
- AC and System fault output relays can be delayed via PowerCom/li>
- Microprocessor dual rate charging restores battery sets from 4 to 80 amhours
- PowerCom s/w monitors, programs, and reports on power supply core functions through a USB or network connection
- Service personnel can perform onsite power supply programming and system diagnostics using the DL1 USB cable and a computer laptop
- Adding a NetLink module connects power supply to a LAN/WAN network for remote power supply programming and diagnostics. Monitors and reports system status, battery state, generates email or SNMP notification of system trouble or time to service alert

Reliability and Safety

- 10 year warranty

- RoHS Compliant

Agency Listings

- UL 294 / UL 603 / UL 864
- UL 1076 / UL 1481 / UL 2044 / UL 2572
- ULC S318, 319, 527
- FCC Part 15, Subpart B
- CSA C22.2 107.1
- CSA C22.2 #60950
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Product Warranty

[/tab] [tab title="Technical Documents"]

Model #

Datasheet

Install Manual

CA

FPO75/75-E2	DS	IM	CAD	AG
FPO75/150-E2	DS	IM	CAD	AG
FPO75/250-E2	DS	IM	CAD	AG
FPO150/150-E2	DS	IM	CAD	AG
FPO150/250-E2	DS	IM	CAD	AG
FPO250/250-E2	DS	IM	CAD	AG

[/tab] [tab title="Support"]

Troubleshooting Guide

Factory Contact

Business Contact

[FPO Troubleshooting](#)

[Email Customer Service](#)

[Accounting Office](#)

[Accessory Troubleshooting](#)

[Email Technical Department](#)

[Area Sales](#)

Representatives

[/tab] [tab title="Tools & Software"] **Tools & Software**

Excel spreadsheets designed by the LifeSafety Power technical department to aid the installer in required calculations and example configurations of LifeSafety Power equipment when used in commonly found system applications.

Calculators / Software

[PowerCom-SUB Download](#)

[Ohms Law Calculator](#)

[Battery Size Calculator](#)

[Battery Capacity Calculator](#)

[Wire Size Calculator](#)

[Voltage Drop Calculator](#)

[FlexCalculator Suite](#)

Application Notes

[AN01 Standard DC Product](#)

[AN08 Dual buss distribution architecture](#)

[AN09 E2 cabinet battery guide](#)

[AN16 A8 programming](#)

[AN17 D8 single voltage](#)

[AN18 D8 dual voltage](#)

[AN19 FlexPower buss structure](#)

[AN20 LSP Monitoring Guide](#)

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