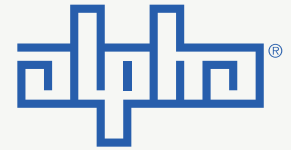


# Public Safety Indoor Backup Power

Solutions for AC and DC Loads



- Meets NFPA applicable requirements
- Safely vents hydrogen gas generated by batteries
- Temperature compensated power charger to protect against thermal runaway
- Remote monitoring, alarms, and event logs
- Low voltage disconnect protects batteries from damaging deep discharges
- Robust, continuous operation with a wide AC input range

SBC Data Power Inc.

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**The right solution for your application, whether it is a simple repeater or a large DAS system, Alpha has public safety communications power equipment to ensure your critical applications remain protected and operational.** With 40-years of outdoor power equipment design, Alpha's expertise in power electronics, enclosure design, and monitoring, come together to ensure reliable backup power.





MECHANICAL				
Model	PS27		PS41	
Construction	High strength corrosion resistant aluminum		High strength corrosion resistant aluminum	
Color	Red/Powder Coat Finish		Red/Powder Coat Finish	
Dimensions (w/plinth)	31"H x 22"W x 19.25"D		45"H x 27.25"W x 30.25"D	
Mounting	Ground		Ground	
ELECTRICAL				
AC Load System	Power Supply	FXM 350		FXM 650 or FXM 1100
	Input/Output	120Vac		120Vac
	Battery Bus	+24Vdc		FXM 650 +24Vdc FXM 1100 -48Vdc
	Hot Replacement	w/ UATS Option		w/ UATS Option
DC Load System	Power Supply	PSU 24/400	PSU 48/650	Cordex 48-1.2kw
	Input	120Vac	120Vac	240Vac (120Vac de-rated)
	Output/Battery Bus	+24Vdc	-48Vdc	-48Vdc
	Hot Replacement	*Toolless hot swap replacement of power module.		
*Module can be replaced while load remains connected to battery. Online spare module available on some models. (n+1 redundancy)				
ENVIRONMENTAL				
Operating Temperature	Indoor: 10 to 40°C			
NEMA Rating	Type 4			
MONITORING AND CONTROL				
Features	User configurable alarms, event logs, auto battery test, temperature compensation			
Dry Contacts	AC mains fail, charger fail, low battery			
Communications	SNMP, TCP/IP web interface			
STANDARDS				
NFPA Applicable Requirements	NFPA 1221 NFPA 111 NFPA 110 NFPA 72 NFPA 70			
Safety	UL1778; UL60950-1-2014; UL50E			
Hydrogen Ventilation	Telecordia GR-487 meets <1%			



PS27 Enclosure



PS41 Enclosure



<b>MODEL NUMBERS (SEE ORDERING GUIDE FOR FULL PRODUCT AND BATTERY SIZING SELECTION)</b>	
<b>-48Vdc Power Cabinets</b>	
0570190-001	PS27-2220, Indoor, PSU48-650, -48Vdc output, Red
0570191-001	PS41-2730-Indoor, Cordex 48-1.2, 48Vdc, 1 Battery Tray, Red
0570192-001	PS41-2730-Indoor-Cordex 48-1.2, 48Vdc, 2 Battery Tray, Red
<b>-48Vdc Rectifier Modules</b>	
010-570-20-041	Cordex CXRC 48-500/650W 120/208-240Vac Module (for spares)
010-619-20-041	Cordex CXRF 48-1.2kW 120/208-240Vac Module
<b>+24Vdc Power Cabinets</b>	
0570196-001	PS27-2220, Indoor, PSU48-650, -48Vdc output, Red
<b>+24Vdc Rectifier Modules</b>	
010-582-20-040	Cordex CXRC 24-400W 120/208-240Vac Module
<b>120Vac Power Cabinets</b>	
0570214-001	PS27-2220-Indoor, FXM350, 120Vac, 24Vdc bus, Red
0570188-001	PS41-2730, Indoor, FXM 650, 120Vac, 24Vdc Bus, 1 Battery Tray, Red
0570187-001	PS41-2730, Indoor, FXM650, 120Vac, 24Vdc bus, 2 Battery Trays, Red
0570189-001	PS41-2730, Indoor, FXM1100, 120Vac, 48Vdc Bus, 2 Battery Trays, Red
<b>Universal Automatic Transfer Switch Option (120Vac)</b>	
020-168-27	UATS & Convenience Receptacle, 120Vac Allows the FXM Power Supply to be removed without turning off power to the load.
<b>Plinth Options</b>	
740-760-23	Plinth, PS27, 4" Base Assembly, Aluminum, Red
0370231-002	Plinth, PS41, 4" Base Assembly, Aluminum, Red
<b>Batteries</b>	
181-013-10	Battery, 12V, 34Ah, Standard Life General Purpose VRLA AGM Battery (AGM)
1810029	Battery, 12V, Gell, AlphaCell 195GXL FT, Front Terminal
1810226	Battery, 12V AGM, AlphaCell XTV 100 Top Terminal
1810227	Battery, 12V AGM, AlphaCell XTV, 150A Top Terminal
1810228	Battery, 12V AGM, AlphaCell XTV, 195 Top Terminal
1810229	Battery, 12V AGM, AlphaCell XTV, 240 Top Terminal
1810445	Battery, 12V AGM, AlphaCell XTV, 210 HP front Terminal

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