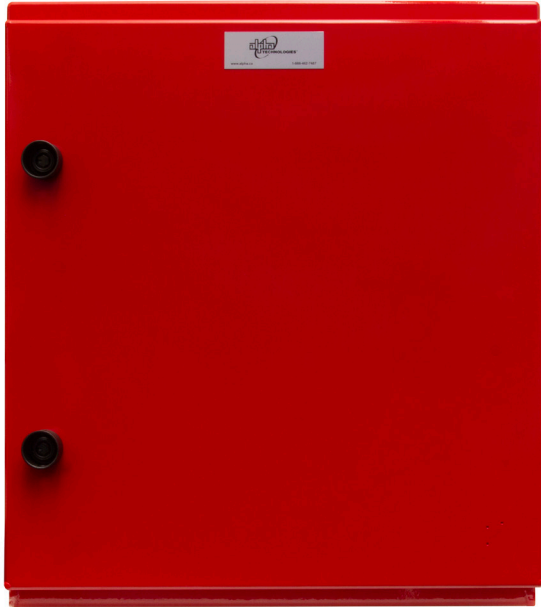




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Public Safety Systems

Solutions for AC and DC



- The only standalone UL 2524 Certified AC and DC Uninterruptible Power Supply
- Consolidate power in Fiber DAS communication systems
- Temperature compensated power charger
- Extended temperature range for mission critical installation in harsh environments
- Remote monitoring, SNMP and event logs
- NFPA 1221 dry contact alarms
- Wide range Automatic Voltage Regulation (AVR) lengthens battery life by providing protection without transferring to backup mode during voltage surge or sag
- Intuitive equipment selection guide for configuring power and backup time requirements

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.

The Public Safety product line offers options for both AC & DC loads with two enclosure sizes, up to two x (4) position battery trays, numerous battery capacity options and multiple mounting configurations. This flexibility ensures that your mission critical public safety equipment is protected by a system that meets your exact requirements. With AC options up to 1100VA and DC options up to 2000W, Alpha® Public Safety systems can readily handle large loads for 2-, 12- and 24-hour periods.

The TYPE 4 enclosures integrated with power equipment and batteries results in Public Safety systems which meet and are certified to UL2524. This certification ensures that these systems are flawlessly designed and manufactured to the industry leading standards for mission-critical communication devices.

With 40-years of outdoor power equipment design, Alpha® expertise in power electronics, enclosure design, batteries, and monitoring, come together to ensure resilient and reliable power.

Public Safety Indoor Backup Power

Mechanical			
Model	PS27		PS41
Construction:	Single Wall Aluminum Construction		Single Wall Aluminum Construction
Color:	Red Powder Coat Finish		Red Powder Coat Finish
Dimensions (w/plinth):	31"H x 22"W x 18"D		45"H x 27.25"W x 30.25"D
Mounting:	Ground / Wall / Plinth		Ground / Plinth
Electrical			
AC Load System			
Power Supply:	FXM 350		FXM 650 or FXM 1100
Input:	120VAC		120VAC
Output:	120VAC		120VAC
Battery Bus:	FXM +24VDC		FXM 650 +24VDC FXM 1100 -48VDC
Hot Replacement:	w/ UATS Option		w/ UATS Option
DC Load System			
Power Supply:	PSU 48/650	PSU24/400	Cordex 48-1.2kw
Input:	208-240VAC (120VAC de-rated)	120VAC/208-240VAC	208-240VAC (120VAC de-rated)
Output/Battery Bus:	-48VDC	-24VDC	-48VDC
Hot Replacement:	*Toolless hot swap replacement of power module.		
Environmental			
Operating Temperature:	Indoor: 10 to 40°C		
NEMA Rating:	UL 50 UL 50E; CSA C22.2 No. 94.1 CSA C22.2 No. 94.2 TYPE 4 ENCLOSURE UL 50 UL 50E; CSA C22.2 No. 94.1 CSA C22.2 No. 94.2 TYPE 4 ENCLOSURE		
Monitoring and Control			
Features:	Event logs, auto battery test, temperature compensation		
Dry Contacts:	AC mains fail, charger fail, low battery		
Communications:	SNMP, TCP/IP web interface		
Agency Compliance			
NFPA Applicable Requirements:	NFPA 1221 120VAC Power Systems certified to UL2524 -48VDC Power systems pending UL2524 certification		
Safety:	UL1778		



PS27 Enclosure



PS41 Enclosure



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Public Safety Indoor Backup Power

Model Numbers (see ordering guide for full product and battery sizing selection)	
-48VDC Power Systems	
0570190-101	PS27-2220, Indoor, PSU48-650, -48VDC output, Red
0570191-101	PS41-2730-Indoor, Cordex 48-1.2, 48VDC, 1 Battery Tray, Red
0570192-101	PS41-2730-Indoor-Cordex 48-1.2, 48VDC, 2 Battery Tray, Red
0570196-101	PS27-2220, Indoor, PSU23-650, -24VDC output, Red
-48VDC Rectifier Modules	
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
400W PSU	
010-582-20-040	Assy, Power Module, Cordex 24-400W 120/208-240V
120VAC Power Systems (UL 2524 Certified)	
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
Universal Automatic Transfer Switch Option (120VAC)	
020-168-27	UATS & Convenience Receptacle, 120VAC Allows the FXM Power Supply to be removed without turning off power to the load.
Mounting Options	
740-760-23	Plinth, PS27, 4" Base Assembly, Aluminum, Red
0370231-002	Plinth, PS41, 4" Base Assembly, Aluminum, Red
0370531-001	Wall Mount Bracket, PS27
Batteries	
1810477	NSB 100FT HT Red
1810495	NSB 170FT HT Red
1810226	AlphaCell XTV 100
1810227	AlphaCell XTV 150
1810229	AlphaCell XTV 240
1810445	AlphaCell 210 HP
181-013-10	34Ah Std Life Battery

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AlphaCell® is a registered trademark of Alpha Technologies Services, Inc.



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