



an EnerSys® company

Public Safety Solutions

UL2524 2nd Ed. certified AC & DC power systems



- Standalone UL2524 2nd Ed. Certified backup power systems for mission critical public safety equipment
- TYPE 4 enclosure with hydrogen venting provides space for up to eight (8) 208Ah batteries
- Multiple 24Vdc and 48Vdc system configurations providing up to 2400W output
- Multiple 120Vac system configurations providing up to 1100VA/W output
- Remote monitoring, SNMP and event log from Cordex® HP system controller
- NFPA 1221 compliant dry contact alarms
- Technician friendly cabinet and system design for simple commissioning/maintenance
- Integrated distribution for customer load connections

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 and DC loads with two enclosure sizes, up to two x four-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 2400W, Alpha® Public Safety solutions 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 solutions which meet and are certified to UL2524 2nd Ed. This certification ensures that these systems are flawlessly designed and manufactured to the industry leading standards for mission-critical communication devices.

With over 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 Solutions UL2524 2nd. Ed Certified Power Systems

Consult your EnerSys representative or refer to [ordering guide](#) for part number configurations

Electrical			
Model (DC Systems)	PS27-2220-PSU24-400	PS27-2220-PSU48-650	PS41-2730-CXRF 48V 1.2kW
Power System	Cordex PSU24-400W	Cordex PSU48V-650W	Cordex HP 1.2kW 48V Switched Mode Rectifier
Input Voltage	120VAC/208-240VAC	208-240VAC (120VAC de-rated)	208-240VAC (120VAC de-rated)
Input Current	4.0A maximum	4.7A maximum	15A maximum
AC input breaker	15A breaker	15A breaker	20A breaker
Output Voltage	+24VDC	-48VDC	-48VDC
Output Capacity	14A (400W) maximum	13.5A (650W) maximum	50A (2400W) maximum
Model (AC Systems)	PS27-2220-FXM HP 650-24	PS41-2730-FXM HP 650-24	PS41-2730-FXM HP 1100-48
UPS	FXM HP 650-24	FXM HP 650-24	FXM HP 1100-48
Input Voltage	120VAC	120VAC	120VAC
Input Current	5.7A maximum	8.0A maximum	16.4A maximum
AC Input Breaker	15A breaker	15A breaker	20A breaker
Output Voltage	120VAC	120VAC	120VAC
Output Capacity	300VA/W maximum	450VA/W maximum	1000VA/W maximum
Battery String Voltage	+24VDC	+24VDC	-48VDC
Charge Current	10A maximum	10A maximum	15A maximum
Mechanical			
Enclosure Model	PS27-2220	PS41-2730	
Dimensions (H x W x D)	27in. x 22in. x 20in. (686mm x 559mm x 508mm)	41in. x 27in. x 30in. (1041mm x 686mm x 762mm)	
Weight (without batteries)	96lb. (43.5kg)	115lb. (52kg)	
Battery Capacity	Four (4) 110Ah batteries	Eight (8) 208Ah batteries	
Construction	High strength corrosion resistant aluminum	High strength corrosion resistant aluminum	
Access	Front access via door	Front access via door Rear access via removable panel	
Door latch	Dual compression latches, padlockable	Three-point latch with L-handle for padlock	
Mounting	Ground, pad, or 8in. plinth mount	Ground, pad, or 4.75in. plinth mount	
Ventilation	Dual TYPE 4 hydrogen vents	Dual TYPE 4 hydrogen vents	
Color	Powder coat, safety red (finish code 215)	Powder coat, safety red (finish code 215)	
Environmental			
Operating Temperature	0 to 40C (32 to 104F)		
Environment	Indoor use only		
Cabinet Rating	TYPE 4 certified		
Monitoring and Control			
Features	Event logs, auto battery test, and temperature compensation		
Dry Contacts	AC mains fail, charger fail, and low battery		
Communications	SNMP, TCP/IP web interface		
Agency Compliance			
System Rating	UL2524 2nd Ed. Certified		



World Headquarters: 2366 Bernville Road, Reading, PA 19605 USA | +1 610-208-1991 or +1 800-538-3627

EMEA: Baarerstrasse 18, 6300 Zug Switzerland

APAC: 152 Beach Road, Gateway East Building #11-08 Singapore 189721 | +65 6508 1780

For more information visit www.enersys.com

© 2022 EnerSys. All Rights Reserved. Trademarks and logos are the property of EnerSys and its affiliates unless otherwise noted. Subject to revisions without prior notice. E. & O.E.