Alpha Technologies

Power

No Power = No Security

alpha TECHNOLOGIES™

Total Power Solutions

Alpha Technologies Ltd.

When there's a power outage, brown-out or power interruption, how will you keep your security devices alive and operational? By installing a reliable backup power system from Alpha, you'll always ensure clean, reliable, uninterrupted power for your security systems 24/7, no matter what the conditions are or the quality of the utility power.

Alpha specializes in performance-proven Battery Back Up Systems (BBS) for the full spectrum of critical security applications, including: CCTVs, access control systems, perimeter security devices and X-ray/metal detectors found in a variety of facilities - airports, power plants, port and border security, parking facilities and many more.

Alpha - 1st in Security Power Solutions

With over 30 years of powering expertise and millions of solutions installed worldwide, Alpha is recognized globally as the leader in integrated indoor and rugged BBS.

Our engineers have developed custom solutions for thousands of security applications in the most challenging installation scenarios. Whether your application is a controlled indoor environment or extreme weather outdoor installation, Alpha can engineer the perfectly configured BBS that keeps your security network active and working for you.

Visit our website www.alpha.ca/security to learn more about the difference an Alpha BBS can make to your business. Call us toll free (800) 667-8743 or direct (604) 436-5900 to speak with an experienced power expert about your specific requirements.

Service and Support

Effective power systems require first class support. Alpha provides a full range of service and support solutions designed to keep power infrastructure running.

At Alpha we understand that our products are often just one or more parts of a complete power solution. That's why Alpha service goes beyond just Alpha equipment to providing support solutions that meet the ultimate need of our customers: CONTINUOUS, RELIABLE POWER.

Alpha Service Plans				
	Factory Warranty	Warranty plus Extended Warranty	Basic On Site	Reliability On Site
Comprehensive coverage of equipment and batteries	✓	✓	✓	✓
Telephone technical support	✓	✓	✓	✓
Advance replacement	O	✓	✓	✓
Freight to customer	✓	✓	✓	✓
On-site start up business day		O	✓	✓
On-site corrective maintenance business day		O	✓	✓
Next business day response			✓	✓
Equipment preventative maintenance				✓
Battery preventative maintenance				✓

Legend: ✓ = Included O = Optional

Alpha Services on Demand	
Service	Description
Repair/exchange	Repair or exchange of delivered unit for a flat fee
Advance replacement	Immediate shipment of replacement unit with credit issued for return unit when received
Replacement battery bundle	Set of replacement batteries including delivery
On site replace and PM	On site replacement of all batteries including delivery, recycling, installation and preventative maintenance on equipment and battery cabinet

Free 24-hour telephone technical support

- Alpha's technical support center provides expert technical support 24 hours-a-day, 7 days-a-week.
- All calls receive a response within 30 minutes.
- Toll-free in the USA and Canada: 1-888-462-7487
- International: +1-604-436-5547
- E-mail: support@alpha.ca

Alpha Backup Power Solutions

FXM UPS Modules

- Alpha FXM 350, 650, 1100 and 2000W/VA UPS power modules
- Wide Automatic Voltage Regulation range
- Communications via RS-232 port or optional Ethernet/SNMP interface
- Temperature compensated battery charging
- Operating temperature: -40°C to 74°C (-40°F to 165°F)
- Six programmable dry contact relays
- Event and alarm logging
- Horizontal or vertical rack or shelf mounting

Micro Secure 100

- 100W/VA UPS solution enclosed within a compact, weather-hardened outdoor rated enclosure
- 24Vdc bus for scalable backup time from 2.5 to 15hrs
- Operating temperature: -40°C[1] to 50°C (-40°F to 122°F)
- Boost operation for brownout protection and power regulation
- Simultaneous switchable 24Vac and 120Vac output option
- Communications via RS-232 port or optional Ethernet/SNMP interface

Micro 350 and 1000

- Alpha Micro 350 & 1000W/ VA UPS integrated cabinet solution in a rugged outdoor rated enclosure
- The Micro 350 features dual AC and DC output, including 120Vac, 24Vac, 12Vdc, 24Vdc or 48Vdc[2]
- Wide Automatic Voltage Regulation range
- Communications via RS-232 port or optional Ethernet/SNMP interface
- Operating temperature: -40°C[1] to 50°C (-40°F to 122°F) de-rated up to 74°C (165°F)
- Temperature compensated battery charging
- XL and XL3 models include extended enclosures for additional batteries and longer run times
- Can provide 24 hours of Backup Power
- Optional installation pedestal

[1]Optional battery heater mat
[2]Requires 48Vdc battery string voltage version of FXM350

Enclosures

Alpha designs and manufactures secure indoor and weather-hardened outdoor enclosures in a variety of sizes and capacities, incorporating Alpha's UPS modules and batteries. They have the option to be ground, pole, host or wall mounted. A NEMA 3R outdoor rating ensures that all internal components are protected from harsh outdoor environments.

Solar Power Systems

- Solar power systems can be integrated for extended backup powering capability or for off-grid applications with no access to utility power
- Pre-engineered, integrated solutions
- Rugged controls and battery enclosures
- Configurable for DC or AC power requirements
- Can provide up to seven days of powering autonomy

AlphaCell™ Batteries

Alpha offers a wide selection of VRLA-AGM, VRLA-Gel, Flooded Stationary and Nickel Cadmium batteries that can be bought separately or as part of a backup power solution. AlphaCell™ batteries incorporate four separate battery technologies ensuring optimal performance for your particular application.

AlphaCell™ batteries come with industry leading warranties, offer some of the longest runtimes and the best longevity in today's demanding outdoor, non-temperature controlled power environments. Alpha also offers battery heater mats, chargers, testing devices and the AlphaGuard™ charge management system.

Alpha Indoor UPS Series

- Alpha Sentra line-interactive and Alpha Continuity online double conversion UPS families ranging from 1000-10000VA
- A convertible rack / tower design with rotating LCD panel provides mounting flexibility
- Pure Sine Wave UPS with the Industry's highest power factor at 0.9 provides efficient, clean power
- Advanced Automatic Voltage Regulation (AVR) accepts a wider input voltage range without using batteries and lengthens battery life
- A larger charger enables faster recharging and quicker return to backup readiness
- Simultaneously active SNMP, USB and RS-232 slots provide communication flexibility
- Optional external battery packs with chainable connection provide extended backup and optimal runtime

Backup Power Selection Guide

Key questions before purchasing an Alpha Backup Power Solution

There are many factors involved in choosing a backup power solution that is right for you.
Before contacting Alpha, it is important to answer the following questions:

1. What is your application?
   - Security, Traffic, Server, PBX, Cell Site, etc.

2. Is your installation environment indoor or outdoor?
   - Is it a controlled or non-controlled environment, air conditioned or dust free?
   - What are the minimum and maximum ambient temperatures that would surround the system?

3. Your geographic location (country, state/province, city)

4. What are your power requirements?
   - Volt-amps (VA) or Watts required by load?
   - Input voltage to UPS and Output voltage(s) to load?
   - Frequency (Hz) 50 or 60?

5. How much backup time do you require?
   - The amount of time in hours or minutes the backup system is expected to provide when the utility power fails or is interrupted?

6. Are there special mounting requirements?
   - For indoor applications: rack or tower?
   - For outdoor applications: pole, ground (is a pedestal required) or wall?

7. What are your configuration requirements?
   - Input plug type, output receptacle types or terminal block, etc.

8. Any accessories?
   - Bypass switch (auto/manual), Ethernet/SNMP card?

9. Would you like to know about Alpha's special servicing or extended warranty options?
   - Is extended warranty required?
   - Special servicing needs?

10. Quantities:
    - Number of units required for immediate startup and forecasted numbers for future expansion

Power

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