

INNOVATIVE SOLUTIONS FOR YOUR UNIQUE POWERING CHALLENGES



Your Power Solutions Partner

PROBLEM SOLVING YOUR UNIQUE POWERING CHALLENGES WITH INNOVATIVE SOLUTIONS

With almost four decades of industry leadership in POWER, Alpha Technologies has established itself as the preeminent total power solutions provider and one stop shop for AC, DC and renewable powering solutions for the Telecom, CATV, Traffic, Security, Industrial and Alternative Energy industries. Alpha's products provide the trusted power behind large switching and data centers, mobile cell sites, broadband networks, traffic and security systems, and many more.

Our multi-layered knowledge of our customers allows us to understand your powering needs better than anyone else, and to quickly design and deliver solutions specifically tailored to solve your unique powering challenges. With multiple options for standardized and custom system integration, Alpha has the ability to provide the ideal solution for virtually any power and site installation.

ALPHA IS THE LEADING TOTAL POWER SOLUTIONS PROVIDER FOR AC, DC AND RENEWABLE POWERING SOLUTIONS FOR THE TELECOM, CATV, TRAFFIC, SECURITY, INDUSTRIAL AND ALTERNATIVE ENERGY INDUSTRIES



DC POWER SOLUTIONS

Alpha builds on its extensive experience serving the network infrastructure needs of communications markets by delivering a broad assortment of high performance DC power solutions. Our customizable solutions range from multi-bay 10,000A systems 600A central offices, data centres and head ends to small shelf systems that can mount on a wall or occupy a single rack space. Alpha's leading-edge, high efficiency power conversion technology and Cordex™ controllers are the essential building blocks of our DC power solutions.

UPS SOLUTIONS

Alpha is the leader in providing a complete line of AC powering solutions ranging from indoor to rugged outdoor applications. This includes hardened outdoor enclosures, uninterruptible power supply (UPS) modules, specialty batteries, accessories and generators that can be custom integrated to meet every type of critical indoor and outdoor application requiring AC backup power.

CONTROLLERS AND COMMUNICATIONS

The industry-leading Cordex™ Controller features software that offers an outstanding combination of advanced features, usability and reliability. Developed with the end-user in mind, our local and remote controller interfaces present critical information clearly and consistently; whether it's data logging, event monitoring or fault reporting.

POWER MODULES

Alpha's power modules comprise the engines of our power solutions. Our modules convert AC to DC (rectifiers), DC to DC (converters) and DC to AC (inverters). Featuring high power density, high efficiency, high reliability, and wide temperature operating range, the power conversion modules come in various form factors and capacities to match the unique needs of our customers.

**ALPHA'S PRODUCTS
ARE THE TRUSTED
POWER BEHIND LARGE
SWITCHING AND DATA
CENTERS, MOBILE CELL
SITES, BROADBAND
NETWORKS, TRAFFIC
AND SECURITY SYSTEMS,
AND MANY MORE**



ENCLOSURES AND TECHNICAL SHELTERS

Alpha provides a full range of rugged enclosures and shelters for a wide range of applications. Available in many shapes and sizes, Alpha's enclosures are designed and tested to meet the highest industry operating standards such as NEMA 4 and GR487. Alpha outdoor enclosures and shelters offer multiple thermal management options to ensure internal temperatures meet the operating ranges of your electrical equipment in a cost efficient fashion.

RENEWABLE ENERGY SOLUTIONS

Alpha has the ability to provide turn-key solar and hybrid power solutions ranging from low priority applications to mission critical loads requiring 99.999% uptime. Our team of experts is experienced in all aspects of solar energy projects; including engineering, rapid installation, repair and implementation of monitoring and maintenance solutions.

INSTALLATION AND COMMISSIONING SERVICES

Our installation and commissioning teams are ready to support your deployment, augmentation and maintenance requirements. Alpha Field Service experience and capabilities extend across all major service areas in Canada and the US. We can serve your needs as one national partner, providing industry leading service levels.

SERVICE AND SUPPORT

Alpha has the knowledge, experience and national resources to provide you with service and support solutions that keep power infrastructure optimized to provide continuous, reliable power. Our service goal is to allow you to confidently focus on your core business, knowing there is a single point of contact for all of your power system needs, including flexible service options: training, trouble-shooting, project management, preventative maintenance, service plans, EF&I and more.

**ALPHA HAS THE
ABILITY TO PROVIDE
THE IDEAL SOLUTION
FOR VIRTUALLY ANY
POWER AND SITE
INSTALLATION WITH
MULTIPLE OPTIONS
FOR STANDARDIZED
AND CUSTOM SYSTEM
INTEGRATION**



ALPHA – THE POWER BEHIND KEY MARKETS



TELECOM

In the Telecom sector, Alpha's DC solutions have long been the standard for reliability and efficiency, built on superior communications and control functionality inherent in its Cordex™ family of controllers. Alpha's class-leading reliability drives OPEX savings down by way of greater efficiency and the innovative use of renewable energy technology. Alpha is also on the forefront of Line Power, a rapidly emerging alternative to using local power as means of powering Fiber to the Home, DAS and DSLAMs.

Complete AC, DC and Renewable Energy Powering Solutions

Ruggedized UPS and Battery Back-Up Systems

Advanced, Modular Indoor and Outdoor Power Enclosures

DC Rectifiers, DC-DC Converters and Inverters

Distribution and System Controllers featuring Remote and Local Monitoring

Specialty Powering Solutions such as FTTx, Line Power, Solar and Remote Generators

Extensive range of Batteries and related Technologies

Comprehensive EF&I, Training, Installation and Service



TRAFFIC/ITS

In the emerging Traffic/ITS market, Alpha is the leader in providing back up power and power conditioning for traffic lights, controllers and highway signage. To date well over half of the states in America have standardized on Alpha UPS's for these applications, resulting in Alpha systems already backing up over 20,000 intersections.



ALTERNATIVE ENERGY

Renewable Energy solutions are rapidly gaining favor due to their versatility; improving economics and positive impact on the environment. Alpha not only offers a variety of renewable solutions, but also brings its considerable experience in backing up critical systems to the emerging Renewable Energy industry.



PRIVATE AND INDUSTRIAL NETWORKS

From Enterprise networks to Smart Grid to security backhaul, Alpha offers the right mix of power systems and enclosures to ensure the reliability of your network. Alpha has supplied the backup power for some of the largest networks, protecting borders, utility grids and long haul fiber networks.

WHAT'S THE DIFFERENCE AT ALPHA?

Our distinctive excellence is the ability to out-innovate and out-problem solve our competitors, and quickly deliver optimized solutions for our customers' unique powering challenges. We focus on system-level efficiency and lowest total cost of ownership, extending our efforts beyond simply the modules and other building blocks that comprise a power system.

INTELLIGENT CONTROL REDUCES ENERGY COSTS

Our systems feature intelligent controllers that dynamically optimize the number of active power conversion devices needed to power the load. This energy efficiency approach not only reduces energy costs and helps the environment, but also provides financial justification for our customers to modernize power plants to include new features such as remote monitoring and control.

FOCUS ON SERVICE, QUALITY AND RELIABILITY

Alpha's TL 9000 certified quality management system governs the design, development, production, delivery, installation and maintenance of products and services. Combined with an award-winning product strategy and continuous improvement program, we achieve complete customer satisfaction by delivering solutions and service of the highest quality, value and reliability.

LET ALPHA TAKE THE STRESS OUT OF YOUR POWER...

If you have a unique powering challenge, no matter how big or small, contact us with your specific needs at 1.800.667.8743 or email sales@alpha.ca


VISIT OUR ONLINE CATALOG AT WWW.ALPHA.CA



Your Power Solutions Partner

The Alpha Group Alpha Technologies Ltd is a proud member of The Alpha Group - an alliance of independent companies who share a common philosophy - to create world class powering solutions. Collectively, Alpha Group members develop and manufacture AC, DC and renewable power conversion, protection and standby products, featured in millions of operational installations around the world today.

Copyright © 2013 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies. member of The Alpha Group™ is a trademark of Alpha Technologies. Cordex™ is a trademark of Alpha Technologies Ltd. 0470097-00 Rev A (06/2013)

member of The  Group™



The Telecom Quality Management System