



# ANALYTIC SYSTEMS

Power Conversion Solutions

TELECOM / UTILITIES APPLICATIONS

## YOUR TELECOMMUNICATIONS POWER PROBLEM SOLVER!

Analytic Systems is an industry leader in the power conversion industry with over 20 years of expertise, manufacturing a wide range of products used in the Telecom and Utility Sector. They include Battery Chargers / Rectifiers (from AC or DC sources), DC-DC Voltage Converters (fully-isolated for use on positive or negative ground systems) and DC-AC Inverters. Analytic Systems' Power Conversion Solutions and its CNC Machining division practice lean manufacturing, and are ISO9001:2008 certified. Our products are all manufactured in North America.



Inverters



Battery Chargers / Rectifiers



Voltage Converters



Power Supplies

### POWER SUPPLIES

Power Supplies – Our AC-DC power supplies are renowned for their ruggedness and durability, featuring precisely regulated DC output and ultra-low electronic interference operation. Power Supplies from 110Vac, 220Vac or both are available in 120, 240, 300, 600, 1000 and 1500 watts. Available in rack or chassis mount, with a digital meter or an auxiliary battery backup output option.

### BATTERY CHARGERS

Battery Chargers / Rectifiers – Analytic Systems offers a wide range of AC-DC and DC-DC switch-mode, high performance battery chargers. From 300-1500W we can provide 12, 24, 32, 48 & 72 VDC and our stackable designs can accommodate many other high charge voltages. Charging profiles are selectable between 2 and 3 stages, and include manually initiated equalize (with a push-button). Digital metering of charging volts and charging amps is standard on the rack mount models and optional on all chassis mount models.

### TELECOM QUALITY INVERTERS

Telecom Inverters – Offering a broad range of telecom-quality Pure Sine-Wave inverters for Telecommunication and Utility applications, with output power ranging from 100 VA to 5000 VA. Analytic Systems Inverters have multi-stage filter on the input and output, and have large hold-up capacitors on the internal 200 VDC or 400 VDC rail for complete elimination of the 60 Hz ripple on the inverter input. Our inverters comply fully with EMI requirements for EN 55022 Class B with a significant dB margin; the audio frequency range noise (C-message) on the input is also very low.

### DC VOLTAGE CONVERTERS

DC-DC Converters – From a 12, 24,36, 48, 72 or 110 or 360 VDC power source, Analytic Systems voltage converters will step-up, step-down, stabilize or isolate DC power over an output of 12, 24 or 48 VDC. These modern designs use efficient filtering, ultra-quiet operation, providing reliable regulated DC power to equipment and large systems. Rack and chassis mount units available.

An ISO9001 and AS9100 Registered Company Battery Chargers • Inverters • Power Supplies • Voltage Converters

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www.analyticsystems.com

# Analytic Systems Telecom/Utilities Power Conversion Products

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## CUSTOM POWER REQUIREMENTS

Analytic Systems offers custom-engineered power solutions up to 10KW. We work closely with customers to help them meet their power conversion requirements, and offer full-cycle support for all products - including ongoing maintenance and repair. We have a tradition of maintaining long-term relationships with our customers, who rely on our expertise in designing and maintaining highly technical power conversion solutions. If you require more power or customization, **just ask!**

## ABOUT US

Analytic Systems is a leading North American manufacturer of High-Performance Power Conversion Products. We're an industry leader in rugged, specialized power conversion electronics, supplying thousands of power conversion units to all divisions of the US military, plus companies including AT&T, Bell Canada, NBC, Alcatel-Lucent, DMO Satcom, Hughes Network, Motorola and Malaysia Telecom. We are ISO 9001:2008 and AS9100 ABS certified and our products meet CETL/UL/CSA requirements.

## CONTACT US

Call or Email to find out how Analytic Systems products can assist you or your customers!  
Toll free: 800.668.3884 | Email: [analyticinfo@analyticsystems.com](mailto:analyticinfo@analyticsystems.com)

## PRODUCTS

***Also available:***

**DC/AC Inverters**

**AC/AC Frequency Converters**

**AC/DC Power Supplies**

**Battery Back Up Systems**

*Our products are the ultimate power problem solvers!  
We offer many customization options and have a wide variety of ruggedized profiles available.*

*If you need a rugged, high performance product or a configuration you can't find anywhere else, give us a call!  
Let Analytic System be your Power Problem Solver!*



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