

# ANALYTIC SYSTEMS

Power Conversion Solutions

MOBILE EQUIPMENT APPLICATIONS

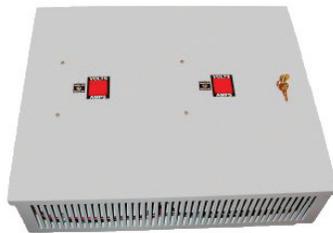


## YOUR MOBILE EQUIPMENT POWER PROBLEM SOLVER!

Protect equipment from negative spikes with our fully isolated DC-DC converters, battery chargers and power supplies. Analytic Systems has developed a modification to prevent these negative spikes from accidentally shutting down power conversion units. We are often called upon to supply fully isolated DC-DC converters to produce 15 – 16 volts DC, at 5 to 7 amps from forklifts, 36 or 48 volts DC to run notebook computers.



Inverters



Battery Chargers



Voltage Converters



Power Supplies

## FORKLIFT MODIFICATION

The Forklift Modification - These are particularly tough applications, as the thyristor-based motor drives for the forks and tires produce large amounts of overlying AC on the batteries, and will cause many converters to fail unless proper input-circuitry is used. We call this the "Forklift Modification"

## DC/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.

## FORKLIFT BATTERY CHARGERS & POWER SUPPLY SYSTEMS

Forklift Battery Charging & Power Supply Systems – Built for industrial plants and harsh shop environments. We have Battery Charging System up to 2000W to charge a 12, 24, 36 or 48V battery system from a 110 or 220 VAC source. These chargers can also function as a power supply if set to 2-stage charging.

## AC POWER INVERTER

Often AC power is needed for running computers or other specialty equipment in industrial applications. Our pure sine-wave inverters are available from 100 to 5000 watts to meet these needs. Input voltages include: 12, 24, 48, 72, 125 or 250 volts DC. We have recently developed an IP67 Waterproof inverter as well.

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

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www.analyticsystems.com

# Analytic Systems Mobile 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 GE, Wal-Mart, BC Hydro, Duke Energy, and Pacific Gas & Electric. 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:**

**Frequency Converters**

**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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