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RUGGED UPS AUTOMATICALLY SHUTS OFF DURING ROLL-OVERS

(Westwood, MA – March 1, 2011) Most RUPS (Rugged Uninterruptible Power Supply) units and power conditioners remain “on” during vehicle and power equipment roll-overs due to shock, vibration, or kinetic impact during combat. UPS systems remaining on in those situations pose a safety risk to vehicle occupants, power generators, and sensitive electronic equipment. Addressing that risk, Acumentrics Corporation recently introduced the Rugged-UPS™ 2500 DC Series of uninterruptible power supply and/or power conditioner units that automatically sense the orientation of the vehicle or piece of equipment, and shut off. These units can also send a 12 VDC trigger signal to another system, for example, to relay an emergency alarm or activate another safety-related device. For added flexibility, Acumentrics can change the angle of activation from the default setting of ± 90 degrees, and users may disable the function altogether.

“Our UPS and power conditioner systems are used in harsh physical and electrical environments,” commented Jeff Boudreau, Senior Applications Engineer at Acumentrics. “We have tens of thousands of units working in military field operations. Typical applications where this shut-off feature is particularly helpful include Humvees, ships, trains, planes, tracked vehicles, and construction equipment where significant roll, inversions, or vibrations would present a dangerous situation to personnel or power sources.” Boudreau also adds that the Rugged-UPS 2500 can be applied to such stationary power systems as gas, solar, and wind generators; batteries; and capacitors that need to be oriented correctly for optimum functionality.

Acumentrics is the only company offering a UPS/power conditioner with an automatic shut-off capability and has a patent pending on the new feature.

The Rugged-UPS 2500 provides 2000W of nominal 28 VDC output or XX of AC output from an input range of 80 – 265 VAC / 47 – 400 Hz, or 22 – 32 VDC. This wide voltage range and frequency tolerance enables users to power up with field generators in any international standard and protects mission-critical equipment such as communications devices from surges, spikes, brownouts, blackouts, and noise.

Acumentrics Holding Corporation, headquartered in Westwood, Massachusetts, consists of two wholly-owned subsidiaries: Acumentrics RUPS (Rugged Uninterruptible Power Supplies) and Acumentrics SOFC (Solid Oxide Fuel Cells). The RUPS subsidiary is a trusted market leader in rugged AC and DC power sources for harsh and combat environments as well as heavy-duty industrial applications. RUPS products provide clean power conditioning and battery backup when reliability is mission-critical. In business since 1994, Acumentrics is a preferred supplier to many of the world's largest prime defense contractors.

The SOFC subsidiary develops and manufactures a line of clean, reliable electric power generators with DC or AC outputs up to 10kW. These electrical power generators apply a proprietary tubular, ceramics-based fuel cell technology to serve remote, off grid and military applications. Acumentrics generators efficiently convert commonly available propane, natural gas or liquid fuels directly to electricity without combustion. Acumentrics Holding Corporation is an ISO 9001:2008-certified company.

For more information, please visit www.acumentrics.com, or call 800-332-0277 or +1-781-461-8251.

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