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Behlman introduces the INV-2500 Power Source to meet the unique needs of Automated Utility Substations.

Automated substation performance can only be as good as the power supply provided for its Intelligent Electronic Devices.

Hauppauge, New York, March 14, 2012 — Behlman Electronics Inc., known for its leadership in power products for industrial, commercial and military applications, has announce a major breakthrough in the quality and reliability of the electrical power available to support the operation of Automated Utility Substations, with its new INV-2500 Inverter.

THE PROBLEM

Fully Automated Utility Substations have entered a period of unprecedented growth. For example, according to a leading study on the subject, the number of fully automated Electrical Utility Distribution Substations will more than double between 2011 and 2013.

To fully automate a substation, utilities must install a wide range of intelligent electronic devices such as digital protective relays, remote terminal units, programmable controllers, and high-speed computer systems utilizing Supervisory Control and Data Acquisition (SCADA). All such intelligent electronics need to be supplied with very clean, reliable AC power and cannot tolerate even the briefest loss of AC power without disrupting utility services.

To assure uninterrupted power for their customers, utility substations use banks of batteries providing either 48-, 125-, or 250-VDC as a power source, along with inverters that convert the DC power to the AC power need by the intelligent electronic devices. Unfortunately, conventional inverters are typically power factor derated, with each watt equal to only about 0.65 VA, and they often provide inadequate modified sine waves.

THE BEHLMAN SOLUTION

The new Behlman INV-2500 Inverter is not power factor de-rated, so it can supply full power into any power factor load. As a result, the Behlman INV-2500 converts the DC current from the batteries into the clean, regulated AC power essential to keep the intelligent electronic devices operating at peak performance.

According to Ronald Storm, President of Behlman Electronics, *"We have made a major commitment to the Electric Utilities Industry, by creating a power supply that will meet their automation needs today and well into the future. Our INV-2500 Inverter provides an easy and economical upgrade path that will help utilities operate at peak efficiency with the greatest economy, wherever AC power is needed from a DC source."*

The Behlman INV-2500 Inverter is 7" (4U) high and fits into a standard 19" rack. It is available with an optional AC input that will run the load from the AC mains and switch to the battery input if the AC power is lost.

Complete specifications for the Behlman INV-2500 Inverter are available on line at www.behlman.com/inverters.htm.

Cost is $4,795 in small quantities and delivery is 30 days ARO.

Although designed with Automated Utility Substations in mind, the Behlman INV-2500 Inverter is also a low-cost solution for many other industrial applications. It is ideal for powering loads that are considered difficult for ordinary inverters, such as switching power supplies, motors, non-linear loads, and more.

ABOUT BEHLMAN

Behlman Electronics Inc., a subsidiary of Orbit International Corp., manufactures and sells high-quality standard, modified standard, custom and COTS power solutions, including AC power supplies, frequency converters, inverters, DC-DC, AC-DC, DC-AC, and uninterruptible power supplies.

Orbit International Corp., based in Hauppauge, New York, is involved in the manufacture of customized electronic components and subsystems for military and nonmilitary government applications.

For more information contact Behlman Electronics Inc., 80 Cabot Court, Hauppauge, New York 11788 USA; TEL: +1 631 435-0410; FAX: +1 631 951-4341; sales @behlman.com; www.behlman.com.

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Behlman INV-2500 Inverter Front

Behlman INV- 2500 Inverter Rear

The INV-2500 Inverter is ideal for powering sensitive electronics that require clean, low-distortion sine wave inputs, like microprocessor-based instruments and PLCs.