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Behlman Electronics announces it has added intelligent communication, measurement and control capabilities to its VPXtra™ Power Supplies.

With 1000 WDC output, Behlman VPXtra™ 1000CD-IQ power supplies are now the world's most powerful and also the most "intelligent."

Hauppauge, New York, October 26, 2015 — Behlman Electronics Inc., known for its leadership in providing power products for military shipboard, airborne and mobile programs, as well as for industrial and commercial applications, has announced that it has added unprecedented high intelligence features to its industry-leading VPXtra™ 1000CD, dual output power supplies, thereby creating the VPXtra™ 1000CD-IQ.

Upon being introduced in 2012, the 6U Behlman VPXtra™ Power Supplies shattered the power ceiling that had previously limited the capabilities of VPX system designers. Now, Behlman also shatters the useful performance ceiling with their new VPXtra™ 1000CD-IQ, which has a high level of internal intelligence that supports communication, measurement and control. This intelligence upgrade gives VPX system designers the capability to create more compact systems with fewer additional instruments needed to accomplish their communication, measurement and control functions.

According to Behlman's President, Ron Storm, "Contrary to what many people think, a power supply can do a lot more than just supply power. As we watched VPX system designers working towards ever-smaller systems with more capabilities, we realized that some of the systems' required communication, measurement and control functions could be integrated into our VPXtra™ Power Supplies, to save space and improve system functions. I congratulate the Behlman engineers for their visionary approach, which made the world's highest power VPX power supply also the most intelligent."

VPXtra™ 1000CD-IQ is Vita 62 compliant, and designed to power Open VPX modules. Its dual outputs offer 960 watts of 12 VDC and an auxiliary 3.3 VDC. Standard features include overvoltage, over current, short circuit and thermal protection, and the 12 VDC output can be paralleled for higher power and fail-safe redundancy. It's "IQ" capabilities include the ability to monitor and report all output voltages; output current; input voltage; input current; and temperature. It also supports ANSI/VITA 46 signals for geographical addressing, NVMRO (Non-Volatile Memory Read Only) and SYSRESET.

Other features include user-adjustable warning/fault levels for voltage, current and temperature; inventory management information such as part numbers, serial numbers, and revision status; SMBALERT # signal to alert system controller of a power supply fault; over 200K user storage memory for settings and information; extensive PMBUS command set and status registers support.

Complete specifications and data sheets for VPXtra™1000CD-IQ Power Supply are immediately available at www.behlman.com.

A new five-output 700 Watt Behlman Intelligent VPXtra™1000CM-IQ Power Supply is also available.

Behlman Electronics Inc., (www.behlman.com), 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, uninterruptible power supplies, and the VPXtra™ line of VPX/VME 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. Other subsidiaries and divisions include Orbit Instrument, Tulip Development Laboratory, and Integrated Combat Systems, all of which are members of the Orbit Electronics Group.

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The Behlman VPXtra™ 1000CD-IQ is a 6U, Open VPX VITA 62, 12 VDC, 1000 W power supply with a 3.3 V Auxiliary output. It provides an unprecedented level of intelligence for communication, measurement, and control.