EMERSON
Network Power

news release

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EMERSON NETWORK POWER LAUNCHES DC-INPUT BULK FRONT-END POWER MODULES

High power density package with 1U x 2U form factor

Telecom-standard 40 to 72V input

CARLSBAD, Calif. ð November 28, 2007 ð Emerson Network Power, a business of Emerson (NYSE: EMR), has launched four dc-input bulk front-end power modules for systems that use distributed power architectures. The modules are the latest additions to the companyôs popular DS series of power supplies, which until now only offered ac-input options. The new DS450DC, 550DC, 650DC and 850DC modules all feature a very wide 40 to 72 Vdc input voltage range, which is ideal for telecom and central office applications operating from 48 V battery plants. All four modules produce a main +12 Vdc output, together with an auxiliary óalways-onô+3.3 Vdc output for applications that require standby operation.

The DS450DC, 550DC, 650DC and 850DC modules have power output ratings of 450, 550, 650 and 850 watts respectively. The highest power module in the series, the DS850DC, can deliver up to 70 amps at +12 Vdc from its main output and up to 6 amps from its 3.3 Vdc auxiliary output. All four modules offer active single-wire current sharing which operates from 10 to 100% of full load, enabling multiple modules to be easily paralleled for very high current applications. The modules are all hot pluggable, and incorporate low-loss internal ORing FETs (Field Effect Transistors) on their main 12 V output, for fault-tolerant and N+1 redundancy applications. They have no minimum load requirement, and maintain main output regulation to within ±5%.

Each power module contains a serial EEPROM (electrically erasable programmable read-only memory) that is pre-programmed with data about the unit ï including its type, serial number and date of manufacture ï to facilitate replacement in the field. A built-in I^2C interface, which uses the PMBusÊ protocol, enables the data to be read back to the system under power; the interface also allows the system to interrogate the power module to ascertain various operational parameters, including input and output status, fan blocked or running under-speed, and overcurrent and overtemperature flags.

The dc-input DS series power modules are compact, high efficiency units with a 1U x 2U form factor. They incorporate fan cooling and have an ambient operating temperature range of +10 to +45 degrees Celsius, with 50% derating at +70 degrees Celcius. The modules comply with all applicable EMC immunity standards, including EN61000-4-2, -3, -4, -5, -6 and -11. The power supplies carry UL/cUL60950-1 and EN60950-1 VDE safety approvals.

About Emerson Network Power

Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling Business-Critical ContinuityÊ . The company is the trusted source for adaptive and ultra-reliable solutions that enable and protect its customersô business-critical technology infrastructures. Backed by the largest global services organization in the industry, Emerson Network Power offers a full range of innovative power, precision cooling and connectivity products and services for computer, communications, healthcare and industrial systems. Key product brands within the Emerson Network Power family include Liebert, ASCO, Astec, Artesyn and Lorain. For more information on power supplies visit www.astecpower.com or www.artesyn.com. For more information on the full spectrum of enterprise-wide solutions from Emerson Network Power, visit www.Emerson.com.

About Emerson

Emerson (NYSE: EMR), based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2007 were $22.6 billion. For more information, visit www.Emerson.com.