GE Energy licenses Lineage Power DLynx POL to Bel Fuse

GE Energy Power Electronics today announced an agreement to license the Lineage Power DLynx Digital Point-of-Load (POL) product portfolio to Bel Fuse Inc. DLynx leverages the strengths of digital technology to efficiently power silicon devices such as processors and memory devices on circuit boards. The licensing agreement with Bel Fuse utilizes the DOSA digital POL standard [1] and includes solutions ranging from 3 Amp to 40 Amp modules. Designed to lower risk and accelerate new product development efforts across multiple original equipment manufacturers (OEMs), the standards-based DOSA footprints and analog/digital compatibility with existing circuit board designs shrinks the size, lowers the cost and improves the performance of board-mounted power modules.

Digital power provides access to critical load information including current and voltage, enabling the system to monitor the power consumption at the highest possible resolution— at the processor or other silicon load. Employing the industry-standard PMBus [2] interface and patented space-saving Tunable Loop [3] technology to optimize transient response, the miniaturization of DOSA digital POL implementations can deliver current density of over 8A/cm^2 in a full range module at elevated temperatures. Pin-compatible analog versions of the digital modules offer design flexibility and value engineering savings opportunities.

“GE Energy is accelerating the adoption of digital power technology in new product designs,” said Niklas Fallgren, vice president and general manager of OEM Embedded Power at GE Energy. “Digital system control is a key ingredient of an end-to-end Total Efficiency [4] architecture that helps customers optimize energy efficiency, lower cooling requirements, and ensure decades of reliable operation.”

The licensing agreement between GE Energy and Bel Fuse enables OEM customers to source digital POLs from multiple vendors, conserve circuit board real estate, lower cost, reduce development time and avoid risk to accelerate new product development efforts. Because of this agreement, OEMs can also avoid industry interoperability challenges of multi-vendor differences in control loop dynamics,

digital instruction set functionality, and performance characteristics. The GE Energy DLynx products licensed to Bel Fuse are fully compatible and interoperable with each other.

“We believe offering innovative and cost-effective digital power platforms can benefit the entire electronics sector,” said Mark Jutras, general manager, Bel Power Inc. a subsidiary of Bel Fuse Inc.

For more information about GE, visit the company's Web site at www.ge.com/lineagepower [5].

For more information about Bel Fuse, visit www.belfuse.com [6]

About DOSA

The Distributed-power Open Standards Alliance (DOSA) was formed to further future DC-DC product compatibility and standardization within the fragmented power converter market. Alliance members include founding members Lineage Power and SynQor as well as AcBel, Bel Power, Delta Electronics, Emerson Network Power, Ericsson Power Modules, FDK, Murata Power Solutions, NetPower Technologies, Power-One, TDK-Lambda and Wall Industries. The goal of the alliance is to establish customer interface standards early in the development cycle, which include form factors, footprints, pin-outs, feature sets and other parameters that will facilitate alternative sourcing. The alliance covers a broad range of power converters including non-isolated (POL) and isolated applications. More information about DOSA is available at www.dosapower.com [7].

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