High Density 450W/650W Modular Power Supply

Leading power supply manufacturer Lambda introduces its latest innovation, the Vega Series. Designed as a standard configurable product, the Vega utilizes off-the-shelf modules and converters that can be quickly assembled to meet custom output specifications, eliminating the need for high cost, long lead-time custom power supplies.

These configurable switch mode power supplies offer designers a higher level of reliability and flexibility for their power requirements than was previously available. High reliability was accomplished in two areas by lowering the overall component count and through the use of a single PCB design in both the front end converter and output module stages. This reduces the assembly time of the modules and converters by up to 70% over conventional modular products. Initially offered in two packages of 450W and 650W, Lambda can meet turnaround times of two weeks for evaluation units and six weeks for production volumes.

The modular design enables configurations to support typical applications from computer peripherals, to automated test systems, and industrial equipment, where 1.8 V, 3.3 V, 5.0 V, 12 V and 24 V multiple output combinations are typically used. The Vega Series provides a seamless output voltage range from 1.8V to 31V, with higher voltages possible by series operation. &quotThis makes the Vega the most configurable power supply available,&quot added Vernon. The 450W and 650W packages provide a maximum of 10 outputs with no minimum load requirements and offer overvoltage and over current protection as standard features.

Ensuring worldwide compatibility, Vega is compliant to EN61000-3-2 power factor correction standards, IEC1000-4 input transient immunity standards and meets EMI level B conducted, and level A radiated standards. The series also has CE Marking, UL 1950, CSA234 and EN60950 worldwide safety agency approvals.

Options of the 450 W and 650 W Vega Series units include fast on-tab/screw input or output connectors, IEC input connectors and multiple cooling options including system air, end fan and end fan with reverse airflow. Standard signal options include mains fail, global inhibit, output good and output inhibit.

Source URL (retrieved on *09/19/2014 - 4:50am*):
http://www.wirelessdesignmag.com/product-releases/2001/06/high-density-450w/650w-modular-power-supply