Press Information

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SL Power Electronics increases Power over Ethernet (PoE) power levels by up to 60%

With the ever-increasing use of Power over Ethernet (PoE) as a cost effective and in many cases necessary method of powering a wide range of equipment, the need to increase power levels beyond 20W is seen as key to PoE's continued adoption.

Power Over Ethernet integrates data, voice and power on standard Ethernet infrastructure providing many options for power distribution allowing IP telephones, wireless LAN access points, surveillance cameras and other embedded appliances to get power and data over existing CAT5 cabling. An international standard since 2002 (IEEE802.3af), PoE has become established as an economical and safe power distribution method and is already widely used throughout the world.

The key advantages of PoE include safety and reliability, single wire connection and compatibility with existing network infrastructure.

The Ault Division of SL Power Electronics has a range of products including power sources and line splitters designed to add Power over Ethernet to a network.

Until recently, power levels have been less than 20W, limiting the types of application that can make use of this type of product. Now, developments in both legislation and technology have made available higher power levels and faster data transfer rates.

The new product generation, known as the PW183 series is available in four basic versions to suit a customer's particular needs. Further options available include custom labeling, input and output surge protection and mounting brackets.

The units all produce the standard 48V required by PoE from the universal 100 to 250VAC mains input to generate power levels of up to 32W. Depending on the model, the units are capable of data transfer rates of up to 1Gigabit (PoE+).

The PW183 units are available in fully compliant and non-compliant IEE802.3af versions, with non-vented cases in desktop style with load diagnostic or power-one LEDs and are ideal for mid-span applications. Case size for all models is 133 x 54 x 36mm. Fully compliant models, capable of 30W, feature a self-contained injector, detection, disconnect, overload and over voltage control as standard features and are available with a UNH 1OL test report. All models comply with the normal EMI/RFI and safety regulations.

In addition to a very wide range of standard products, SL Power Electronics produces more than 60% of its products with customer specific non-standard voltages to meet specific OEM requirements and private label marking needs.

About SL Power Electronics

SL Power Electronics Corp. designs, manufactures and markets internal and external power supplies for medical, communications, computer and industrial electronic OEMs. The company is a global leader in the development of AC/DC and DC/DC standard, modified and custom power supplies. The product offering includes a broad range of AC/DC and DC/DC open-frame switch mode and linear power supplies from seven to 6000 watts under the Condor brand name and an external AC/DC switch mode power supply offering from six to 200 watts, as well as transformers, battery chargers and DC mobile adapters under the Ault brand name.

SL Power Electronics Corp. is a subsidiary of SL Industries (AMEX – SLI). SL Industries, through its subsidiaries, designs, manufactures and markets equipment and systems for industrial, medical, electric utility, aerospace and telecommunications applications.

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