

Power Supplies feature a universal input range of 88 to 264VAC



Following the successful launch of its LS Series of low-cost, convection cooled power supplies rated from 25 to 150-watts; TDK-Lambda has now announced its 200-watt models. The new LS200 Series feature a universal input range of 88 to 264VAC (no select switch), with an input surge rating of 300VAC for five seconds, and is available in either an enclosed fan-cooled version or in an open-frame U-channel configuration.

Developed to provide low-cost and small size power solutions, the LS200 Series of AC-DC single-output power supplies are available now with the most popular DC output voltages, including: 3.3V, 5V, 7.5V, 12V, 15V, 24V, 36V and 48VDC. All DC outputs are adjustable up to +/-10% via a front panel mounted adjustment potentiometer. In addition, a front panel green LED is "On" when the output is good and remote On/Off control is standard.

With its internal fan-cooling the LS200 Series will provide up to 200W of output power. The open-frame U-channel version is rated at 150W with convection cooling, and up to 200W with user provided air-flow. These power supplies not only carry the CE Mark but are certified to UL, CSA, and IEC 60950-1 safety specifications. The units have a with-stand voltage of up to 1.5kVAC input to ground, 3kVAC input to output, and 500VDC output to ground. This series conforms to the immunity standards of EN61000-4-X and the EMC/EMI standards of EN55011-B, EN55022-B and FCC-Class B.

In many applications, the AC input line-quality is poor and factory equipment can cause input voltages to fluctuate and generate high voltage spikes. Such line transients and disturbances can drastically reduce the life of many low-cost power

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supplies that are only designed for use in office environments. "TDK-Lambda's LS Series offers a new solution for these applications," says David Norton, VP of Marketing for TDK-Lambda Americas. "At a low cost this series still retains the specifications needed for many industrial, automation and test & measurement applications."

All models meet the Power Factor and Harmonic Correction requirements of EN61000-3-2 and are RoHS compliant. Also included are overcurrent and overvoltage protection circuits and all units carry a three year warranty. The operating temperature range is from -25°C up to +70°C with deratings above 50°C. The LS200 Series measure 7.8"L x 3.9"W x 1.61"H. These units are available now and economically priced at \$38.50 each in 1000 piece quantities. More information about the LS200 and the lower power versions of the LS series can be found at this web link: <http://www.us.tdk-lambda.com/lp/products/ls-series.htm> [1]

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[1] <http://www.us.tdk-lambda.com/lp/products/ls-series.htm>