Compact 150 & 240 Watt Power Supplies

TDK Corporation announces the new TDK-Lambda ZWS-BP series of compact, open-frame, 150W and 240W power supplies. These single-output supplies have a low profile of 1.46” to 1.65” and compact footprints of 2.95” x 6.3” or 3.31” x 7.09”. Moreover, these units can provide a peak output power of up to 200% (for motors, pumps, etc.), making them an ideal choice for applications in industrial, gaming, point-of-sale, test & measurement, LED signage, and communications equipment.

These new TDK-Lambda AC-DC supplies feature a universal 85-264Vac, 47-63Hz input, enabling them to be used anywhere in the world. The ZWS-BP is designed to withstand 3kVac, input-to-output. In addition, they can operate with a DC input over the range of 120-370Vdc. The supplies are available with an output voltage of 24V, 36V or 48Vdc and include an onboard output adjustment potentiometer.

With convection cooling (no fans required), these supplies provide up to 150 or 240-watts of output power. The operating temperature range is from -10°C to +70°C with derating above +50°C. The output is floating so it can be used as either a positive or a negative polarity. The power-saving efficiency is up to 91%. Standard features include overvoltage and overcurrent protections. Optional remote On/Off connections are available to allow for remote control of the supply.

The ZWS-BP series is an extension of the very successful ZWS series, which were employed in the high-definition Diamond Vision video displays that were built by Mitsubishi Electric and have been used to power some of the world’s largest LED displays located at the Cowboys Stadium (Texas), Yankee Stadium (New York) and many other global sites. TDK-Lambda power supplies were selected for their long-term reliability and quality.

The ZWS-BP series feature global ITE and general purpose safety agency certifications per UL/CSA/EN60950-1, EN50178 (OV II), are CE Marked, meet the conducted and radiated EMI requirements of EN55011/EN55022-B, VCCI-B and FCC

Class B, which is much tougher than Class A. These units are RoHS compliant and include a 5-year warranty, which is one of the longest-term warranties available in this power range.

TDK-Lambda Americas
800-LAMBDA-4; www.us.tdk-lambda.com/lp [1]

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