

Printed circuit board is 30 percent smaller than predecessors



TDK Corporation announces the TDK-Lambda ZWS-B series printed circuit board type AC-DC power supplies – 30 percent smaller, lighter weight, and more efficient range of power supplies than the earlier generation ZWS series. The ZWS-B series complies with the energy saving requirements of the ErP (Energy related Products) Directive, featuring a <math><0.5\text{W}</math> no load input power. Ideal for use in a wide range of light industrial equipment and front-end equipment for broadcast and communications applications, the ZWS-B is also well-suited for applications in indoor and outdoor LED signage and test & measurement. Available in three low power models, the ZWS-B series is a compact product that offers an efficiency of up to 86 percent. In addition, the ZWS-B convection-cooled power supplies feature an operating temperature range of -10 to $+70^{\circ}\text{C}$, allowing 100% load operation in a $+50^{\circ}\text{C}$ environment and 70% load at $+60^{\circ}\text{C}$. Operating from a universal input of 85 to 265Vac or 120 to 370Vdc, the ZWS-B series is offered with a choice of output voltages from 3.3V to 24V. Each model can be adjusted by $\pm 10\%$ of its nominal voltage to accommodate non-standard system voltages. Standard features include over current and over voltage protection circuitry; options include remote on/off feature, L-plate or L-plate plus cover, conformal coating of the PCB and a fixed output voltage.

TDK Corporation

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