

High Density Switching Power Supplies



A new series of highly compact hot swap, 200 watt power supplies in a 1U high package that provides system designers the maximum flexibility in placing system power has been introduced by Deltron. The new L Series AC/DC power supplies provide 7 watts per cubic inch power density in a compact 1.580 H x 3.1860 W x 10.080 L package. Units can be used alone or combined to provide multiple outputs for powering a wide variety of computing and telecommunications applications. Optional drop current sharing with isolation diodes form the basis of a hot pluggable, redundant system. Features of the single output L Series include a 0.95 power factor and 80% typical efficiency. The power supplies are self-cooled, with an integral ball bearing fan, and feature a rugged enclosed chassis and interfaces for high reliability and safety. Deltron offers six models, ranging in output from 1.8 V at 35 A, to 48 V at 4.2 A. Standard features of each unit include over voltage protection, overload and short circuit protection, and reverse voltage protection. All L Series power supplies meet all applicable international EMI and safety standards and harmonics requirements.

Source URL (retrieved on 03/06/2015 - 4:49am):

<http://www.wirelessdesignmag.com/product-releases/2002/01/high-density-switching-power-supplies>