How do I provide 10kW in a rack with only single-phase power available?

Learn how to get the most out of your 0U cabinet space using HDOT® Smart PDUs.

Typical Application

I need to provide for redundant 10kW power to my cabinets, but I only have single-phase power available. What can be done in the vertical 0U space and still leave room for cable management?

Our Solution

This HDOT® PDU is specified with (14) C13 outlets. At 37.25" height, two can be stacked in common 45RU cabinets or mounted to 42RU open racks. At 1.75" width, these can fit into the dead space outside the rails of many cabinet designs, thus leaving extra room for cable management. Because this PDU uses the PRO architecture, three "Link" PDUs can be connected to the "Master" PDU without the risks of a daisy-chain configuration.

Pictured right is a C1S14CS-2CBA150 Master PDU, with three C1L14CS-2CBA150 Link PDUs. KIT-PRO2LINK-01D used to provide connection from Links to Master. Choose from six highlight colors and a variety of outlet combinations.

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HDOT® Cx Smart PDUs Maximize Density

Overview

Server Technology's High Density Outlet Technology (HDOT®) PDUs meet the needs of a wide range of data center equipment cabinets. High power densities and reduced cabinet space require new and innovative products like Server Technology's own patented outlet technology that provides 2-in-one Cx outlet for C14 and C20 cables in a drastically reduced footprint. Additional features include high native cord retention that eliminates the need for custom and costly ancillary locking cord devices. Manufactured with robust high temperature materials carrying a UL94 V-0 flame rating makes these outlets ideally suited for harsh data center environments.

Key HDOT® Cx Benefits

- 2-in-one Cx outlet for C14 and C20 cables
- Maximum possible outlet density in an Intelligent PDU
- High native cord retention, reducing the need for additional locking devices
- Color-coded alternating-phase outputs for easy cabling
- Certified for at least 60°C (140°F)

Key SMART PDU Benefits:

- PIPS® (Per Inlet Power Sensing) high-accuracy measurements of current, voltage, power, and other key power metrics
- Environmental measurements through plug-and-play probes
- SNMP traps and email alerts
- Master-Expansion linking allows single-IP access to the cabinet full of PDUs

Build Your HDOT® Cx PDU in Four Easy Steps at byopdu.servertech.com

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