How do I maximize the number of devices in my small 24"x 42U cabinets?

Learn how to maximize your cabinet density with the HDOT® Smart PDU featuring Server Technology's innovative C13 outlet design.

Typical Application

I have small 24" wide by 42U cabinets fully loaded with (40) 1U servers and (2) network switches. All devices have dual C14 inlets for redundant power sources. I need PDUs that occupy the minimum amount of space, thus allowing access to hot-swap power supplies, freeing up space for cabling, and maximizing air flow.
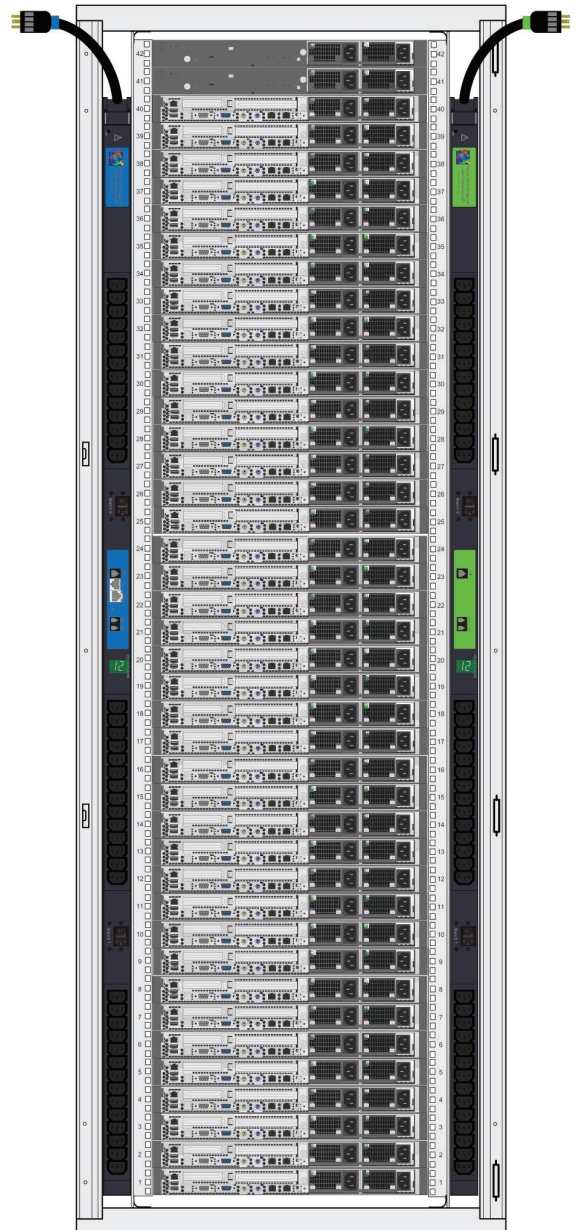
Our Solution

The HDOT® PDU is specified with (42) C13 outlets using Server Technology's **Build-Your-Own Smart PDU Tool**. The PDUs are configured with blue and green color identification, all without increasing price or delivery time — also available in red/white. These PDUs, having the highest outlet density available in a 1.75"(W) x 2.25"(D) x 70"(H) unit, allow for the optimum two-PDU solution which fits in either side of the cabinet.

Pictured right is a CS42CS-2CBA2S000 Master PDU, with blue color coding, and a CL42CS-2CBA2S000 Link PDU, with green color coding, using 208V/30A NEMA L6-30P inputs. Other power input options available.

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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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