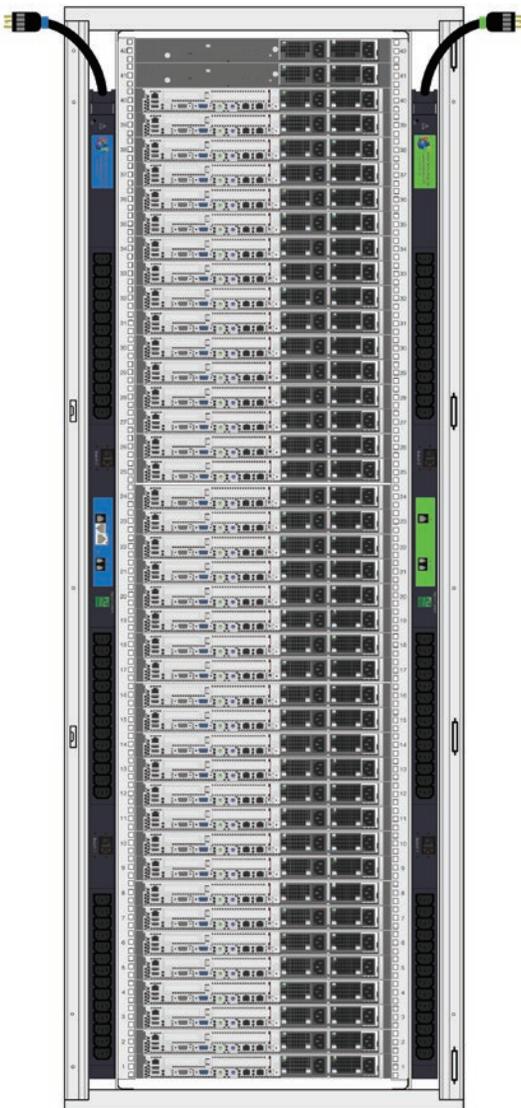# How do I maximize the number of devices in my small 24"x 42U cabinets?

APPLICATION NOTE HDOT-001 | Feb 2014

Learn how to maximize your cabinet density with the HDOT™ Smart PDU featuring Server Technology's innovative C13 and C19 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 left 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.

HDOT™
High Density Outlet Technology

HDOT Smart PDUs Maximize Density in 42U Cabinets

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 industry standard C13 and C19 outlets 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™ Benefits:

> Industry standard C13 and C19 with minimized footprint

> Maximum possible outlet density in an Intelligent PDU

> High native cord retention, reducing the need for additional locking devices

> Robust high temperature materials employed

> Operation to 65°C (149°F) ambient

> Thousands of variations available using our online Build-Your-Own Smart PDU Tool

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 pair of PDUs

Interested in learning more about or building your own custom HDOT PDU? Visit us online at:
www.servertech.com/products/build-your-own-pdu

Server Technology
Quality Rack Power Solutions

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