

# How do I provide high density rack power while optimizing panel pole positions?

APPLICATION NOTE HDOT Cx-006

July 2018

## Learn about the benefits of the HDOT® Cx single-phase solution

### Typical Application

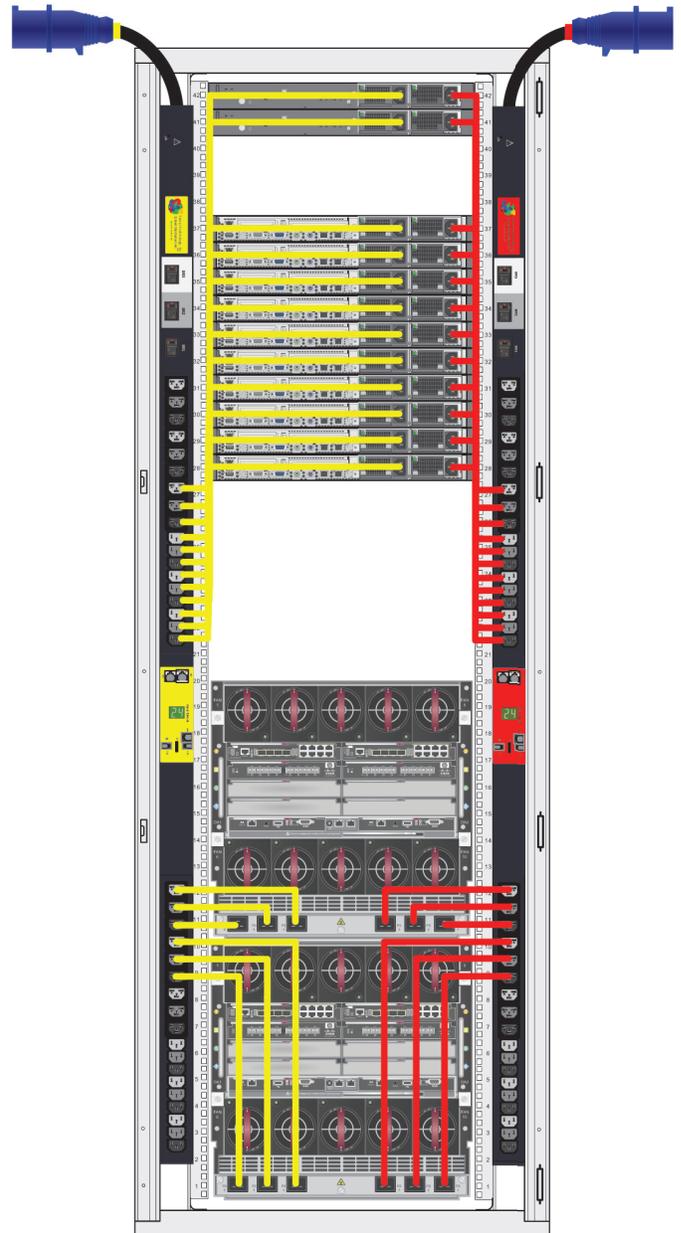
I have been deploying company private cloud resources across North America. The standard rack design uses just about 8 kW, thus I have been using 3-phase 30A 208V standard. In the next build-out, I've been told by the co-location facility that single-phase is better for optimizing their panel pole positions. What is the best solution for meeting the density requirements without doubling-up on PDUs?

### Our Solution

The 60A single-phase HDOT® Cx rack PDU was designed for exactly this purpose. Bring up to 10 kW redundant to each rack using just a single pair of rack PDUs. In some studies, the full infrastructure cost to run 2-pole 60A circuits beats that of 3-pole 30A circuits. With this build-your-own HDOT® Cx PDU, your outlet configuration and functionality needs are met.



Pictured right is a C2S36TE-2QAF2M99 Smart Master PDU with a C2L36TE-2QAF2M99 Link PDU. Choose from six highlight colors and a variety of outlet and plug combinations. Add up four EMTH-1-1 for monitoring of temperature and humidity.



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# About High Density Outlet Technology



## 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](http://byopdu.servertech.com)

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