

**zPDS** is an innovative “at-the-rack” electrical **P**ower **D**istribution **S**ystem that simplifies the distribution and management of redundant 3 phase power to the cabinet. The inputs to zPDS are 3 phase power whips and the outputs from zPDS are typically 3 phase plug strips while specialty equipment is connected via adaptor plugs.

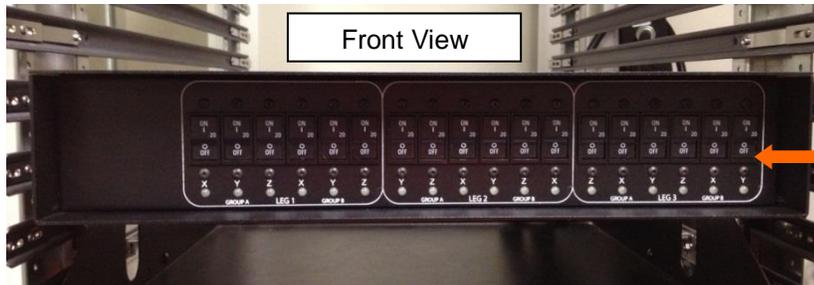
**3 $\phi$  Inputs**  
30A, 40A, 60A  
208V, 415V, 480V

**UPS A**  
**UPS B**



**Outputs**  
Single, Split-Single, 3 $\phi$   
All evenly split between  
A & B

20A: Six receptacles  
20A: Four receptacles  
30A: Four receptacles



**Circuit Breakers**  
Protection on each  
phase of each output  
(3 $\phi$  x 6 Outputs = 18 CB)

## zPDS Main Advantages

### 1. High Redundant Power Densities per Cabinet

- Up to 20kW per cabinet—redundant and supporting 2 cabinets per zPDS
- Up to 13kW per cabinet—redundant and supporting 3 cabinets per zPDS

### 2. Reduces by 50% - 66% the required number of Power Whips and Breaker Positions

### 3. Future power reconfigurations are made at the cabinet

- Out of the under-floor, Away from the power panel and In Compliance with OSHA

## zPDS Features: (2<sup>nd</sup> generation zPDS received UL approval in March 2013)

- Reduces electrical costs for labor, wiring changes and equipment
- Gets client out of the under-floor and away from power panel—changes made at the cabinet
- Reduces domain of failure—number of receptacles affected by an event
- Statistical phase load balancing with phase rotation technology
- Circuit Breaker protection of each phase of each output on both A & B
- Gains OSHA compliance—no more “hot changes”

## zPDS Benefits: (Attractive ROI at installation and increases over life of equipment)

- **Saves Money:** Reduces # whips and # breaker positions
- **Saves Time:** Electrician time for travel and installation
- **Eases Operations:** Simplifies moves, adds and changes & OSHA compliance—no more “hot changes”
- **Competitive Advantage:** Reduces risk of and actual outages from “hot-changes”

You can view a 2 minute video of **zPDS** by copying and pasting the following into your web browser:

<http://www.zonit.com/storage/ric-videos-animation/zonit%20zPDU%20flash%20demo.swf>