# How do I get performance metrics from non-intelligent power supplies?

**HDOT** **PRO2**

**Learn how the HDOT® Alt-Phase PRO2™ Smart POPS® PDU provides high accuracy outlet power measurements.**

### Typical Application

As the manager of a data center for high-frequency trading, I am ultimately concerned with uptime and equipment performance. What style of rack PDU will provide measurements that give me the ability to meet my SLAs?

### Our Solution

The Server Technology HDOT Alt-phase PRO2 Smart POPS PDU provides critical per-outlet measurements and alerts for keeping performance on track, without the ability to accidentally switch off outlet power. Get +/- 1% billable-grade accuracy for energy usage of your typical data center equipment, and get alerts on high current, high/low voltage, and low power factor to keep tabs on your most critical assets. Add Sentry Power Manager (SPM) to trend this data over the operational life of your racked equipment in order to maintain and share visibility of all critical SLA data points.



| Server Technology | Sentry Smart CDU POPS•PIPS | Location :<br>IP Address : 66.214.208.174 | User : ADMN<br>Access : Admin |
|---|---|---|---|
| System | **Power Monitoring - Outlets - Details** | | |
| Power Monitoring | Outlets | | |
|   Outlets |   Outlet details | | |
|   Input Feeds | | Refresh | |
|   System | **Outlet ID:** | A1 | |
|   UPS | **Outlet Name:** | TowerA_Outlet1 | |
| Environmental Monitoring | **Outlet Status:** | On | |
| Configuration | **Load Status:** | Normal | |
| Tools | **Capacity (Amps):** | 20 | |
| | **Load (Amps):** | 1.41 | |
| | **Voltage (Volts):** | 200.8 | |
| | **Active Power (Watts):** | 279 | |
| | **Apparent Power (VA):** | 279 | |
| | **Crest Factor:** | 1.6 | |
| | **Power Factor:** | 0.25 | |
| | **Energy (Watt-Hours):** | 4906841 | |
| | | Refresh | |

# Stay informed with PRO2. PRO2®

## Designed with high-availability data access in mind.

The PRO2 series hot-swappable network card is designed to provide measurement and alert data from the "Master" PDU and up to (3) "Link" PDUs even if power to the master fails. Additionally, as seen in the image below, the link units are wired in a star formation so that failure of any link does not affect communication to the others.



LINK CDU #1   MASTER CDU   LINK CDU #2   LINK CDU #3

### Key PRO2 Benefits:

> Hot-swappable, redundantly-powered network card (from link PDU)
> Star architecture multi-linking compared to competition's daisy chain design with single point of failure
> Branch current measurements and multi-level alerts
> Shallower enclosure compared to previous generation PDU
> More alarms and configuration options compared to previous generation PDU

### Key HDOT Alt-phase PDU 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
> Color-coded alternating-phase outputs for easy cabling and load balancing
> Operation to 60 ˚C (140 ˚F) ambient
> Thousands of variations available using our online Build-Your-Own PDU Tool

Interested in learning more about how PRO2 can help you manage and distribute power in your data center?
Visit us online at: **www.servertech.com/products/**



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