Smart Power Monitor

Key Features

> **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) on each power circuit. Networked verification via web browser or serial screen.

> **High Density:** 3 Phase 208-240V, 50 and 60-Amp

> **IP Access & Security:** Web interface, SSL, SSH, telnet, SNMP, FTP, SNTP, Syslog, LDAP, LDAPS, RADIUS, TACACS and RS-232 access.

> **Environmental Monitoring:** Supports two external temperature and humidity probes and reports conditions thru the user interface without the need for additional IP addresses .

> New Digital TRMS current monitoring ensures accuracy.

> **Alerts:** Provides automated SNMP-based alarms or email alerts for power and environmental conditions.

CS-2HDDX/DV for 50/60A 3-Phase

INPUT   OUTPUT
POWER FEED A

OUTPUT   INPUT
POWER FEED B

Digital TRMS Current Load Metering

Allows the ability to easily add input current load or power monitoring to any existing cabinet via an integral web based interface or through a serial connection. This allows you to determine:

1) if there is available power to add additional devices to the cabinet
2) if you are close to exceeding the circuit's capacity and triggering an over current protection device bringing down the power in-feed
3) the proper loading of each CDU's power in-feed to ensure redundancy.

Note: In an A and B power in-feed configuration each Cabinet Power Distribution Unit (CDU) should not be loaded to over 40% of the rated load to ensure that if one of the power in-feeds is lost that the whole load can be supported by the CDU that still has power available.

Additional Bennefits

Temperature and Humidity
The Smart CDU supports two external 10ft (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.

Input Current Monitoring
Exclusive True RMS current monitoring is critical to preventing overloads in high-density computing environments. Web browser or serial screen reports current draw in amps on each power circuit.

Model	Input Voltage	Amperage	Inputs	Outputs	Dimensions
CS-2HDDV131Z1	3-Phase Delta, 240V, 50/60Hz	50A	(2) CS8365C Cord Set, 10ft (3m)	(2) CS8364C Cord Set, 3ft (0.9m)	1.75 x 17.0 x 7.0 in. (44 x 432 x 178mm)
CS-2HDDV131Z1-011	3-Phase Delta, 240V, 50/60Hz	50A	(2) Russell Stoll 9P54U2 Cord Set, 10ft (3m)	(2) CS8364C Cord Set, 3ft (0.9m)	1.75 x 17.0 x 7.0 in. (44 x 432 x 178mm)
CS-2HDDX131Z1	3-Phase Delta, 240V, 50/60Hz	60A	(2) IEC 60309 Cord Set, 10ft (3m)	(2) IEC 60309 Cord Set, 3ft (0.9m)	1.75 x 17.0 x 7.0 in. (44 x 432 x 178mm)

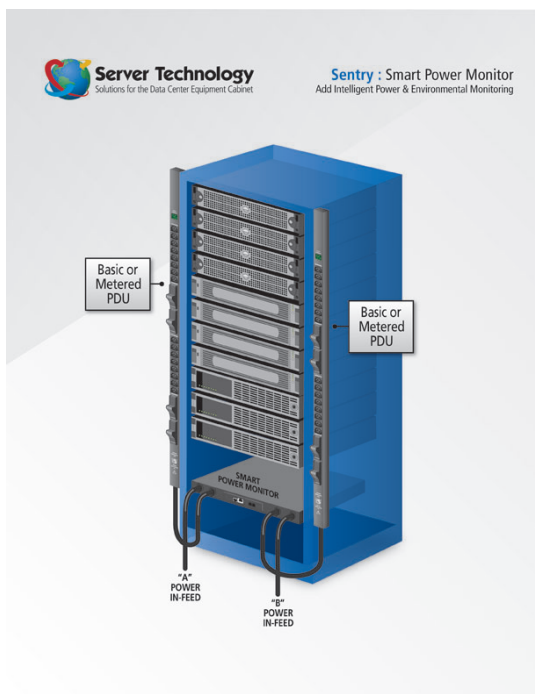## Additional Specifications

Agency Approvals
> US & Canada (cTUVus mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
> FCC Class A, Part 15
> CE
> EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

Communications and Security
> 10/100 BaseT Ethernet
> HTTP/HTTPS
> SSLv3/TLSv1
> SNMPv2
> SSHv2
> Telnet
> LDAPS/LDAPv3
> RADIUS
> TACACS+
> RS-232 (Serial)

Accessories
> Optional Temperature & Humidity Probe
    - EMTH-1-1 Temperature & Humidity Probe, 10ft (3m)
> Environmental Monitor
    - EMCU-1-1B allows up to (2) additional temperature & humidity probes, (1) water sensor, (4) dry contact closures, (1) analog-to-digital contact sensor. Includes (1) temperature/humidity probe with unit.
> SPM (Sentry Power Manager) Appliance:
    - Monitor and Manage multiple Sentry CDU's
    - Monitor and Manage all alarm conditions
    - Reporting and Trending
    - Group or Cluster outlets for reboot and power information

Server Technology