# Sentry Switched CDU

## CW-48VD/VY 50A and 60A

### High-Density Power Distribution

The Switched CDU's combine remote configuration and management with power distribution and power and environmental monitoring. Reboot a single or dual-power server with one command. Receive SNMP and email alerts when power or environmental conditions exceed thresholds. Assign users specific access rights to designated outlets or groups.

Only the Switched CDU products provide the flexibility needed for all data centers and remote sites, including power requirements for high-amp, high voltage; UL 60950-1 branch circuit protection; SSL & SSH security; and SNMP-based input current monitoring.

### Additional Benefits:

#### Branch Circuit Protection
The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protection
> UL-489 rated circuit breakers

#### Input Current Monitoring
The CDU's exclusive True RMS current monitoring is critical to preventing overloads in high-density computing environments. LED digital displays on the CDU enclosure report the input current of each phase.

#### Temperature and Humidity
The Switched CDU supports two external probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alert notifications when conditions exceed defined thresholds.

## Key Features

> Remote Power Management: Power cycle individual power outlets, or groups of power outlets, to remotely reboot servers and network devices, anywhere in the world. Or, power-off unused power receptacles

> High Power Distribution: 208V 3-Phase Power; 50 or 60A power input feed

> High Density: Single power input feed; 48 IEC C13 outlets per enclosure

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

> Add an Expansion Module: Connect the Switched Expansion CDU (CX) to a Master unit (CW) for power management of separate power circuits from a single IP address

> Environmental Monitoring: Each Switched CDU supports two temperature & humidity probes and reports conditions thru the user interface without the need for additional IP addresses

> Alerts: Provides both SNMP traps and Email alerts for power and environmental conditions

> Input Current Monitor: Precisely measure the aggregate current draw (in amps) on each phase. On-site verification of the input current with the LED digital displays. Remote verification via browser or serial screen.

> Power-up Sequencing: Prevent an in-rush power overload

| Model | Available Input Voltages | Amperage | Available Input Cord | Outlets | Dimensions (L x W x D) |
|---|---|---|---|---|---|
| CW-48VDV411 CX-48VDV411* | 240V, 3-phase Delta 50/60Hz | 50A | CS8365C Cord Set, 10ft (3m) | (48) IEC 60320/C13 | 1753 x 89 x 89 mm [69.0 x 3.50 x 3.50 in.] |
| CW-48VDX411 CX-48VDX411* | 240V, 3-phase Delta 50/60Hz | 60A | IEC 60309 Cord Set, 10ft (3m) | (48) IEC 60320/C13 | 1753 x 89 x 89 mm [69.0 x 3.50 x 3.50 in.] |
| CW-48VYY411 CX-48VYY411* | 208V, 3-phase Wye 50/60Hz | 60A | IEC 60309 Cord Set, 10ft (3m) | (48) IEC 60320/C13 | 1753 x 89 x 89 mm [69.0 x 3.50 x 3.50 in.] |

*CX part number refers to the expansion CDU

## Additional Features and Specifications

### Agency Approvals
> US & Canada (cTUVs mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
> FCC Class A, Part 15
> 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
> RADIUS
> LDAPv3
> LDAPS
> TACACS+
> RS-232 (Serial)

### Branch Circuit Protection
> Compliant to UL 60950-1

### Accessories
> Optional Temperature & Humidity Probe
    EMTH-1-1 Temperature & Humidity Probe, 10ft (3m)

> 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

> 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.

1U SPM Appliance

Expansion Modules
> CX-48VDV411
> CX-48VDX411
> CX-48VYY411

## Server Technology