Sentry Switched CDU

CW-48V5 Mixed Outlets, 240V/415V

High-Density Power Distribution

The CW-48V5 Switched Cabinet Distribution Unit (CDU) provides reliable power distribution for high density applications such as blade server clusters that require 3-Phase, 20-Amp, 30-Amp power. The Switched CDU provides reliabled power distribution combined with local and remote power monitoring and environmental monitoring via IP. Use the network interface to view power, temperature and humidity levels via Web browser, or receive SNMP–based alarms and email alerts when conditions exceed defined thresholds. It utilizes PIPS - Per Inlet Power Sensing - technology for 1% measurement accuracy on power and current measurements.

This switched CDU has network, serial & environmental connections located in the middle of the unit with a top power cord entry. Current displays are easily inverted via the web GUI or serial interface. These features provide flexibility whether the CDU is connected to overhead busway or under floor power.

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:** 240/415V 3-phase, 20A or 30A power input feeds

> **High Density:** Single power input feed; (36) IEC C13 and (12) IEC C19 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

> **SNMP Traps:** Provide automated 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 display. Remote verification via browser or serial screen.

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

Additional Benefits:

Branch Circuit Protection
The Sentry CDU Family meets the UL 60950-1 requirement for branch circuit protection.
- UL 489 rated circuit breakers

PIPS - Per Input Power Sensing
Accurately measures Active Power, Apparent Power, Energy k-Wh, Power Capacity, Reactance, and Power Capacity Used using the network interface. See the aggregate current draw, in Amps, locally using the onboard LED.

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.

Linking for Switched CDU (Expansion Modules)
The Switched CDU family has the capability to daisy chain units together. The Expansion Module provides the ability to link two power circuits under one IP address.

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CW-48V5Z454-A1P CX-48V5Z454-A1P*	240/415V 3-phase Wye 50/60 Hz	30A	NEMA L22-30P Plug, 10'(3m), Top Cord	(36) IEC 60320 C13 (12) IEC 60320 C19	1753 x 89 x 89 mm (69.0 x 3.50 x 3.50 in.)
CW-48V53458A1 CX-48V53458A1*	240/415V 3-phase Wye 50/60 Hz	20A	IEC Red 6hr 3P+N+G Plug, 10'(3m), Top Cord	(36) IEC 60320 C13 (12) IEC 60320 C19	1753 x 89 x 89 mm (69.0 x 3.50 x 3.50 in.)
CW-48V54458A1 CX-48V54458A1*	240/415V 3-phase Wye 50/60 Hz	30A	IEC Red 6hr 3P+N+G Plug, 10'(3m), Top Cord	(36) IEC 60320 C13 (12) IEC 60320 C19	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 (cTUVus Mark) to UL 60950-1: 2007 and CAN/CSA 22.2 No. 60950-1-07
> 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 & v3
> SSHv2
> Telnet
> LDAPv3
> LDAPS
> TACACS+
> RADIUS
> RS-232 (Serial)
> IPv6

Branch Circuit Protection
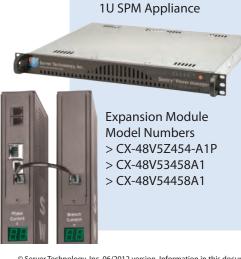> Compliant to UL 60950-1

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 converter. Includes (1) temperature/humidity probe with unit.

> SPM (Sentry Power Manager):
   - 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
   - Optional Appliance or virtual version
   - SPM v5.1+ is VMware READY

VMware and VMware Ready is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions

1U SPM Appliance

Expansion Module Model Numbers
> CX-48V5Z454-A1P
> CX-48V53458A1
> CX-48V54458A1

Server Technology