

Sentry Switched CDU™

Key Features

- > **High Density:** Single-power input feed; 48 x IEC C13 outlets per enclosure
- > **Power Distribution:** 208V, 3-Phase Delta/Wye 20 and 30-Amp power infeed options.
- > **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) of the circuit. On-site verification of the input current with LED digital display. Remote verification via web browser or serial screen.
- > **Network 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
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, TACACS, RADIUS, and RS-232 access
- > **SNMP Traps and Email alerts:** Provide automated alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Switched CDU supports two external temperature & humidity probes and reports conditions thru the user interface without the need for additional IP addresses
- > **Add an Expansion Module:** Connect the Expansion CDU (CXG) to a Master unit (CWG) for power monitoring and management of separate power circuits from a single IP address

CWG-48VD/VY Switched POPS™ CDU with C13 Outlets and PIPS

High-Density Power Distribution

The Switched CDU combines network configuration and management with power distribution, environmental monitoring and the ability to provide power monitoring per an individual outlet/device. Power information per outlet includes current, voltage, power (kW), apparent power (VA), crest factor and power factor. Reboot a single or dual-power server with one command. Receive SNMP or email-based alerts when power or environmental conditions exceed thresholds. Assign user specific access rights to designated outlets or groups.

This Switched CDU has a middle entry for network, serial & environmental connections combined with a bottom power cord entry. Current monitors are easily inverted via the web GUI or serial interface. This provides flexibility when connecting Switched CDU's to overhead power or busways.

Additional Benefits:



POPS™ (Per Outlet Power Sensing)

Monitor Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor and Power Factor per outlet at an accuracy of $\pm 2\%$.



Branch Circuit Protection

The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections

- > UL-489 rated circuit breakers



PIPS - Per Input Power Sensing

Accurately measures Active Power, Apparent Power, Energy k-Wh, Power Capacity, 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 10ft (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.



LED Digital Display

LED digital displays on the CDU enclosure report the input current of each branch circuit.



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CWG-48VDD425 CXG-48VDD425*	240V, 3-Phase Delta, 50/60Hz	20A	NEMA L15-20P Plug, 10'(3m), Bottom/Frt Cord	(48) IEC 60320/C13	69.0 x 3.50 x 3.50 in. (1753 x 89 x 89 mm)
CWG-48VDE425 CXG-48VDE425*	240V, 3-Phase Delta, 50/60Hz	30A	NEMA L15-30P Plug, 10'(3m), Bottom/Frt Cord	(48) IEC 60320/C13	69.0 x 3.50 x 3.50 in. (1753 x 89 x 89 mm)
CWG-48VYL425 CXG-48VYL425*	208V, 3-Phase Wye, 50/60Hz	20A	NEMA L21-20P Plug, 10'(3m), Bottom/Frt Cord	(48) IEC 60320/C13	69.0 x 3.50 x 3.50 in. (1753 x 89 x 89 mm)
CWG-48VYM425 CXG-48VYM425*	208V, 3-Phase Wye, 50/60Hz	30A	NEMA L21-30P Plug, 10'(3m), Bottom/Frt Cord	(48) IEC 60320/C13	69.0 x 3.50 x 3.50 in. (1753 x 89 x 89 mm)

* CXG part numbers refer to the Expansion CDU

Additional Features and 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
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

Branch Circuit Protection

- > Compliant to UL 60950-1

Accessories

- > Optional Temperature & Humidity Probe
 - EMTH-1-1 Temperature & Humidity Probe, 10 ft (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 Module
Model Numbers

- > CXG-48VDD425
- > CXG-48VDE425
- > CXG-48VYL425
- > CXG-48VYM425



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