

Sentry Smart CDU

CS-36VD/VY 3-Phase Mixed Outlet with PIPS

High Density Power Distribution

The Smart Cabinet Power Distribution Units (CDU) provide reliable 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.

The Smart CDU family has the capability to daisy chain units together. The Expansion CDU Module gives the ability to use one IP address across different power circuits.

Additional Benefits:



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



Linking for Smart CDU (Expansion Modules)

The Smart 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.

Key Features

- > High Density: Single-power input feed; 36 outlets per enclosure (Quantity 24 IEC C13 and 12 IEC C19 outlets)
- > High Density Power Distribution: 208V 3-Phase power; 20 or 30A power input feed option.
- > 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 web browser or serial screen.
- > IP Access & Security: Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, RADIUS, TACACS and RS-232 access
- > Alerts: Provide automated SNMP-based alarms or email alerts for power and environmental conditions
- > Environmental Monitoring: Each Smart CDU supports two external temperature & humidity probes and reports conditions through the user interface without the need for additional IP addresses
- > Add an Expansion Module: Connect the Smart Expansion CDU (CL) to a Master unit (CS) for power monitoring of separate power circuits from a single IP address



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CS-36VDD458A4 CL-36VDD458A4*	240V 3-Phase Delta, 50/60 Hz	20A	NEMA L15-20P Plug, 10'(3m), Top Cord Entry	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. (1867 x 44 x 89 mm)
CS-36VDE458A4 CL-36VDE458A4*	240V 3-Phase Delta, 50/60 Hz	30A	NEMA L15-30P Plug, 10'(3m), Top Cord Entry	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. (1867 x 44 x 89 mm)
CS-36VYL458A4 CL-36VYL458A4*	208V 3-Phase Wye, 50/60 Hz	20A	NEMA L21-20P Plug, 10'(3m), Top Cord Entry	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. (1867 x 44 x 89 mm)
CS-36VYM458A4 CL-36VYM458A4*	208V 3-Phase Wye, 50/60 Hz	30A	NEMA L21-30P Plug, 10'(3m), Top Cord Entry	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. (1867 x 44 x 89 mm)

*CL refers to the Expansion Module

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
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

Communications and Security

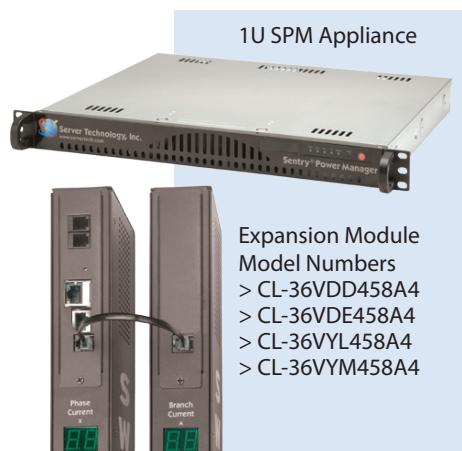
- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPv3
- > LDAPS
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

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 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



1U SPM Appliance

Expansion Module
Model Numbers
> CL-36VDD458A4
> CL-36VDE458A4
> CL-36VYL458A4
> CL-36VYM458A4



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