

Sentry Smart CDU

CS-36V5 with C13 and C19 Outlets 240/415V

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.

415 V 3-Phase power distribution to the rack level is fairly new technology in North American Data Centers. Increased power demand, higher power costs and reduced power availability are driving technologies like this that increase the efficiency within the Data Center. By bringing single phase 240 V power directly to the devices in the cabinet there is a sizable efficiency gain both in the power distribution system and in device itself. If you require further information you can reference our White Paper "**Deploying 415 VAC Power Distribution in North American Data Centers**" paper number STI-100-008 posted on our web site.

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 Power Distribution: 240V/415V 3-phase power; 20 or 30 Amp power input feed option. Delivers up to 14.4 or 21.6 kW.
- > 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, SNTp, 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-36V5Z454-A4C CL-36V5Z454-A4C*	240/415V, 3-Phase Wye, 50/60 Hz	30A	NEMA L22-30P Cord Set, 10ft (3m)	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. [1867 x 44 x 89 mm]
CS-36V53454-A4C CL-36V53454-A4C*	240/415V, 3-Phase Wye, 50/60 Hz	20A	IEC 60309 Cord Set, 10ft (3m)	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. [1867 x 44 x 89 mm]
CS-36V54454-A4C CL-36V54454-A4C*	240/415V, 3-Phase Wye, 50/60 Hz	30A	IEC 60309 Cord Set, 10ft (3m)	(24) IEC 60320/C13 (12) IEC 60320/C19	73.5 x 1.75 x 3.50 in. [1867 x 44 x 89 mm]

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

Communications and Security

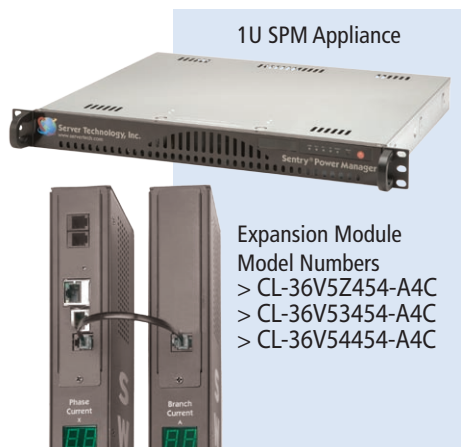
- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPv3
- > LDAPS
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

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-36V5Z454-A4C
 - > CL-36V53454-A4C
 - > CL-36V54454-A4C



Server Technology

HEADQUARTERS - NORTH AMERICA
 Server Technology, Inc.
 1040 Sandhill Drive
 Reno, NV 89521
 United States
 1.775.284.2000 Tel
 1.775.284.2065 Fax
sales@servertech.com
www.servertech.com
www.servertechblog.com

EMEA
 Server Technology Intl
 Sienna Court
 The Broadway
 Maidenhead
 Berkshire
 SL6 1NJ
 United Kingdom
 +44 (0) 1628 509053 Tel
 +44 (0) 1628 509100 Fax
salesintl@servertech.com

APAC
 Server Technology Intl
 37th Floor, Singapore Land Tower
 50 Raffles Place
 Singapore 048623
 +65 (0) 6829 7008 Tel
 +65 (0) 6234 4574 Fax
salesintl@servertech.com