

Sentry Smart CDU

CS-24V5 240/415V, 60A with C19 Outlets

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 Protection
 > UL-489 rated circuit breakers



Input Current Monitoring

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 for simple load balancing.



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.



NEW! Linking for Smart CDU (Expansion Modules)

The Smart CDU family now 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; 24 outlets per enclosure
- > High Power Distribution: 240V/415V Three-phase power; 60-Amp power input feed option. Delivers up to 43.1kW.
- > 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, TACACS, RADIUS 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: Daisy chain the Smart CDU Expansion Module (CS/CL) for power monitoring of separate "A" & "B" power circuits from a single IP address

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CS-24V57454A3 CL-24V57454A3	3-Phase Wye, 240V/415V 50/60Hz	60A	IEC Red 6hr 3P+N+G Plug, 10'(3m), Top Cord Entry	(24) IEC 60320/C19	75.0 x 1.75 x 3.50 in. (1905 x 44.4 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-24V57454A3



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