

Sentry Smart CDU

CSG-24V5 240/415V, 12xC13 and 12xC19 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.

Sentry POPS (Per Outlet Power Sensing) combines all of the features and functions of a Smart CDU with the ability to provide power monitoring per an individual outlet/device. Power information per individual outlet/device includes current, voltage, power (kW), apparent power, crest factor, and power factor. Using out grouping technology, power information is available per device, groups of devices (application), individual CDU or cabinet.

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.



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.



Input Current Monitoring

Exclusive Digital True RMS current monitoring is critical to preventing overloads in high-density computing environments. LED digital display on the CDU enclosure report the input current of the branch circuit.



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.



Branch Circuit Protection

The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections
> UL-489 rated circuit breakers



Key Features

- > POPS (Per Outlet Power Sensing) Measure power and load per outlet.
- > High Density: Single-power input feed; (12) IEC 60320 C13 and (12) IEC C19 outlets per enclosure
- > High Power Distribution: 240/415V 3-Phase 20 and 30 amp infeed power
- > 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: Connect the Smart Expansion CDU (CLG) to a Master unit (CSG) 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)
CSG-24V53421A9 CLG-24V53421A9*	240/415V 3-Phase Wye 50/60Hz	20A	IEC Red 6hr 3P+N+G Plug, 10'(3m), Bottom/Frt Cord	(12) IEC 60320 C13 (12) IEC 60320 C19	1794 x 44 x 89 mm (70.6 x 1.75 x 3.50 in.)
CSG-24V54421A9 CLG-24V54421A9*	240/415V 3-Phase Wye 50/60Hz	30A	IEC Red 6hr 3P+N+G Plug, 10'(3m), Bottom/Frt Cord	(12) IEC 60320 C13 (12) IEC 60320 C19	1794 x 44 x 89 mm (70.6 x 1.75 x 3.50 in.)
CSG-24V5Z421A9 CLG-24V5Z421A9*	240/415V 3-Phase Wye 50/60Hz	30A	NEMA L22-30P Plug, 10'(3m), Bottom/Frt Cord	(12) IEC 60320 C13 (12) IEC 60320 C19	1794 x 44 x 89 mm (70.6 x 1.75 x 3.50 in.)

* CLG 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 Mark
- > 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

- > CLG-24V53421A9
- > CLG-24V54421A9
- > CLG-24V5Z421A9



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