

# Sentry Smart CDU

## Key Features

- > High Power Density: 208-240V 3-Phase power options; 20 or 30 Amp power input feeds
- > 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.
- > High Density: Single Power input feed; 30 outlets per enclosure ( combination of (4) NEMA 5-20R, (3) IEC C13, and (3) IEC C19 outlets per branch.
- > Multiple Voltage Outputs: 120V & 208V outputs
- > IP Access & Security: Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, RADIUS, TACACS and RS-232 access
- > SNMP Traps & 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 thru 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

## CS-3AVY

### High Density Power Distribution

This Smart Cabinet Distribution Unit (CDU) provides reliable 3-Phase 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.

Multiple outlet types distribute multiple voltages via 3-Phase 208V Wye power in-feed. 208V 3-Phase power is distributed as 120V single phase power via (4) NEMA 5-20R outlets and 208V single phase power via (3) IEC C13 and (3) IEC C19 outlets per branch circuit.

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 protection.

- UL 489 rated circuit breakers



#### 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 reports the input current of each phase.



#### 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.



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CS-3AVYL413 CL-3AVYL413*	208V, 3-phase Wye 50/60 Hz	20A	NEMA L21-20P Cordset, 10 ft (3 m)	(12) NEMA 5-20P @120V (9) IEC C13 @ 208V (9) IEC C19 @ 208V	68.0 x 2.0 x 3.23 in (1728 x 51x 82 mm)
CS-3AVYM413 CL-3AVYM413*	208V, 3-phase Wye 50/60 Hz	30A	NEMA L21-30P Cord Set, 10 ft (3 m)	(12) NEMA 5-20P @120V (9) IEC C13 @ 208V (9) IEC C19 @ 208V	68.0 x 2.0 x 3.23 in (1728 x 51x 82 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
- > 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)
- > 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 Number
- > CL-3AVYL413
  - > CL-3AVYM13



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