

Sentry Smart CDU

CS-12HD/HY 208V 50/60A with C19 Outlets

Key Features

- > **High Density:** Single Power Infeed, 2U horizontal mounting, with 12 each IEC 60320 C19 Outlets
- > **High Power Distribution:** 208V 3-Phase 50 and 60 amp single input feed options
- > **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 browser or serial screen.
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, RADIUS, TACACS, RS-232 access
- > **Traps & Alerts:** Provide automated SNMP-based alarms and email alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Smart CDU supports two temperature & humidity probes and reports conditions thru the Web interface
- > **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



High-Density Power Distribution

The Sentry CS-12HD/HY products provide 12 IEC 60320 C19 outlets to support products such as blade servers that require higher amperage power. Smart Cabinet Distribution Units (CDU) provide 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.

The Smart CDU family has the capability to daisy chain units together. The expansion CDU Module give 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, 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 probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alert notifications when conditions exceed defined thresholds.



Linking (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-12HDX444A3 CL-12HDX444A3*	240V 3-Phase Delta, 50/60 Hz	60A	IEC 60309 Cordset, 10 ft (3m)	(12) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-12HDV444A3 CL-12HDV444A3*	240V 3-Phase Delta, 50/60 Hz	50A	CS8365C Cordset, 10 ft (3m)	(12) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)
CS-12HYY444A3 CL-12HYY444A3*	208V 3-Phase Wye, 50/60 Hz	60A	IEC 60309 Cordset, 10 ft (3m)	(12) IEC 60320/C19	3.50 x 17.00 x 10.00 in. (89 x 432 x 254mm)

*CX 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

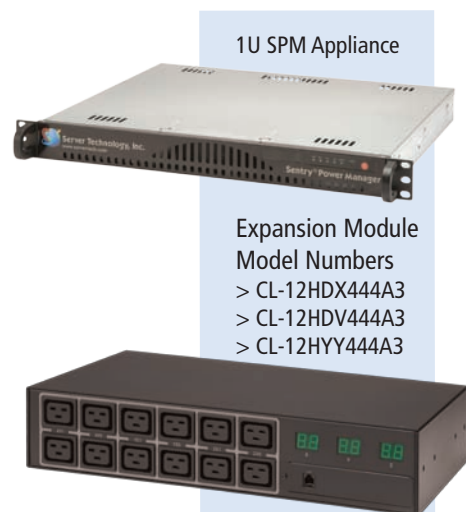
- > Optional Temperature & Humidity Probe
 - EMTH-1-1 Temperature & Humidity Probe, 10ft (3m)
- > Environmental Monitor
 - EMCU-1-1B allows up to (2) additional temperature & humidity probes, (1) water sensor, (4) dry contact closures, (1) analog-to-digital contact sensor. Includes (1) temperature/humidity 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



Mounting bracket and cable lacing rails



Rear View: breakers and power cord inlet



1U SPM Appliance

Expansion Module

Model Numbers

- > CL-12HDX444A3
- > CL-12HDV444A3
- > CL-12HYY444A3



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