Sentry Smart CDU

CS-24V2/VE C13 and C19 with PIPS

High Density Power Distribution

The Smart Cabinet 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.

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 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 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

> Medium Density: Single power input feed; 24 outlets per enclosure (Quantity 18 IEC C13 and 6 C19 outlets)

> Power Distribution:

  208 V, 20 A and 30 A; 230 V, 16 A and 32 A power input feed options

> Input Current Monitor: Precisely measure the aggregate current draw (in amps). 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-24V2A458C1 CL-24V2A458C1*	208-240 V 50/60 Hz	20A	IEC 60320 C20 Power inlet	(18) IEC 60320 C13 (6) IEC 60320 C19	63.8 x 1.75 x 3.50 in. [1620 x 44 x 89 mm]
CS-24V2C458C1 CL-24V2C458C1*	208-240 V 50/60 Hz	30A	NEMA L6-30P Cord Set, 10ft (3m)	(18) IEC 60320 C13 (6) IEC 60320 C19	63.8 x 1.75 x 3.50 in. [1620 x 44 x 89 mm]
CS-24VEA458C1 CL-24VEA458C1*	230 V 50/60 Hz	16A	IEC 60320 C20 Power inlet	(18) IEC 60320 C13 (6) IEC 60320 C19	63.8 x 1.75 x 3.50 in. [1620 x 44 x 89 mm]
CS-24VEK458C1 CL-24VEK458C1*	230 V 50/60 Hz	32A	IEC 60309 Cord Set, 10ft (3m)	(18) IEC 60320 C13 (6) IEC 60320 C19	63.8 x 1.75 x 3.50 in. [1620 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
> European Union (TUVGS Mark) to EN 60950-1:2001
> 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
> LDAPv3
> LDAPS
> TACACS+
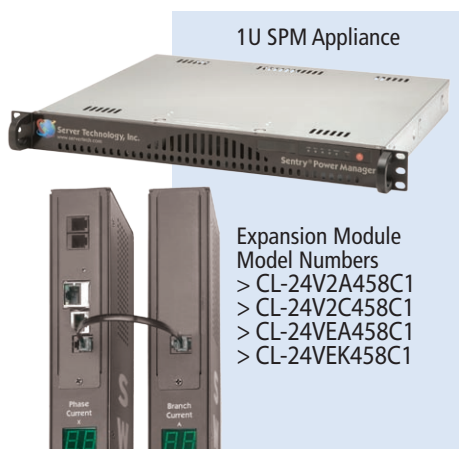> RADIUS
> RS-232 (Serial)

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

Power Cord Options
> PTCORD-1   IEC 60320/C19 - NEMA L6-20P , 10ft (3m)
> PTCORD-2   IEC 60320/C19 - Schuko 10ft (3m)
> PTCORD-3   IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10ft (3m)
> PTCORD-4   IEC 60320/C19 - BS1363 13A (UK) 10ft (3m)

1U SPM Appliance

Expansion Module Model Numbers
> CL-24V2A458C1
> CL-24V2C458C1
> CL-24VEA458C1
> CL-24VEK458C1

Server Technology