

Sentry Smart CDU

Key Features

- > **High Density:** Single-power input feed; 24 outlets per enclosure (Qty 18 IEC C13 & 6 IEC C19 outlets)
- > **Power Distribution:** 208-240V, 20A and 30A; 230V 16A and 32A power input feed options
- > **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) of the circuit. On-site verification of the input current with 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, TACACS, RADIUS, and RS-232 access
- > **SNMP Traps and Email alerts:** Provide automated 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 (CLG) to a Master unit (CSG) for power monitoring of separate power circuits from a single IP address

CSG-24V2/E Smart POPS™ CDU with Mixed 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 at an accuracy of $\pm 2\%$.



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 10ft (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.



Mixed Outlets

This Smart CDU combines 18 IEC 60320 C13 and 6 IEC 60320 C19 outlets within a single CDU to monitor power at the outlet-level.



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CSG-24V2A415A1 CLG-24V2A415A1 *	200-240V 50/60Hz	20A	IEC C20 Inlet, Bottom/Frt Entry	(18) IEC 60320/C13 (6) IEC 60320/C19	61.0 x 1.75 x 3.50 in. (1550 x 44 x 89 mm)
CSG-24V2C415A1 CLG-24V2C415A1 *	200-240V 50/60Hz	30A	NEMA L6-30P Plug, 10'(3m), Bottom/Frt Cord	(18) IEC 60320/C13 (6) IEC 60320/C19	61.0 x 1.75 x 3.50 in. (1550 x 44 x 89 mm)
CSG-24VEA415A1 CLG-24VEA415A1 *	230V 50/60Hz	16A	IEC C20 Inlet, Bottom/Frt Entry	(18) IEC 60320/C13 (6) IEC 60320/C19	61.0 x 1.75 x 3.50 in. (1550 x 44 x 89 mm)
CSG-24VEK415A1 CLG-24VEK415A1 *	230V 50/60Hz	32A	IEC Blue 2P+G Plug, 10'(3m), Bottom/Frt Cord	(18) IEC 60320/C13 (6) IEC 60320/C19	61.0 x 1.75 x 3.50 in. (1550 x 44 x 89 mm)

* 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
- > European Union (TUVGS mark) to EN 60950-1:2001
- > FCC Class A, Part 15
- > CE
- > 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

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

- > CLG-24V2A415A1
- > CLG-24V2C415A1
- > CLG-24VEA415A1
- > CLG-24VEK415A1



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

Western Europe, Middle East and
Africa
Server Technology
Fountain Court
2 Victoria Square
Victoria Street
St. Albans
AL1 3TF
United Kingdom
+44 (0) 1727 884676 Tel
+44 (0) 1727 220815 Fax
salesint@servertech.com

Central Europe, Eastern Europe and
Russia
Niederlassung Deutschland
Server Technology LLC
42119 Wuppertal
Germany
Tel: + 49 202 693917 x 0
Fax: + 49 202 693917-10
salesint@servertech.com

APAC
Server Technology
Room 2301, 23/F, Future Plaza
111-113 How Ming Street,
Kwun Tong, Hong Kong
Direct line: +852 3916 2048
Fax Line: +852 3916 2002
salesint@servertech.com