

Smart Load Shedding with Sentry Switched CDU's

Key Features

- > **Input Current Monitor:** LED display precisely measures the aggregate current draw (in amps) on each power circuit. Remote verification via web browser or serial screen.
- > **High Power Distribution:** 100-120V, 208-240V, 230V or 3-phase power with single or dual power input feeds.
- > **High Density:** Number of outlets range from 8 to 48 per enclosure
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, TACACS and RS-232 access
- > **Environmental Monitoring:** Each Switched CDU supports two external temperature & humidity probes and reports conditions thru the Web interface
- > **Enterprise View:** View and access up to 1,000 Switched CDUs from one Web interface. (Enterprise View Software sold separately)
- > **SNMP Traps:** Provide automated alerts for power and environmental conditions

Sentry Switched Cabinet (Power) Distribution Units (CDUs)

Server Technology's Switched CDU products provide complete lights-out management of a data center or remote branch office. The Switched CDU's combine remote configuration and management with power distribution and power and environmental monitoring via IP. Use the network interface to reboot power, view temperature and humidity levels via Web browser, or receive SNMP-based alarms when conditions exceed defined thresholds.

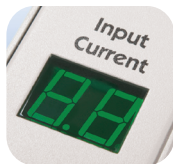
The Switched CDU's combined with Smart Load Shedding now offer the ability to automatically manage individual CDU power outlets based on key operating parameters.

Switched CDU Benefits



Exclusive Temperature & Humidity Monitoring

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.



Branch Current Monitoring

The CDU's exclusive True RMS current monitoring is critical to preventing overloads in high-density computing environments. LED digital displays are accessible through IP-access to report the input current of each phase or branch circuit.



Button Mounting

All CDUs are also compatible with button mounting. Several cabinet manufacturers are now using this method for installing power distribution units in the cabinet.



Branch Circuit Protection with Fuse Retractor

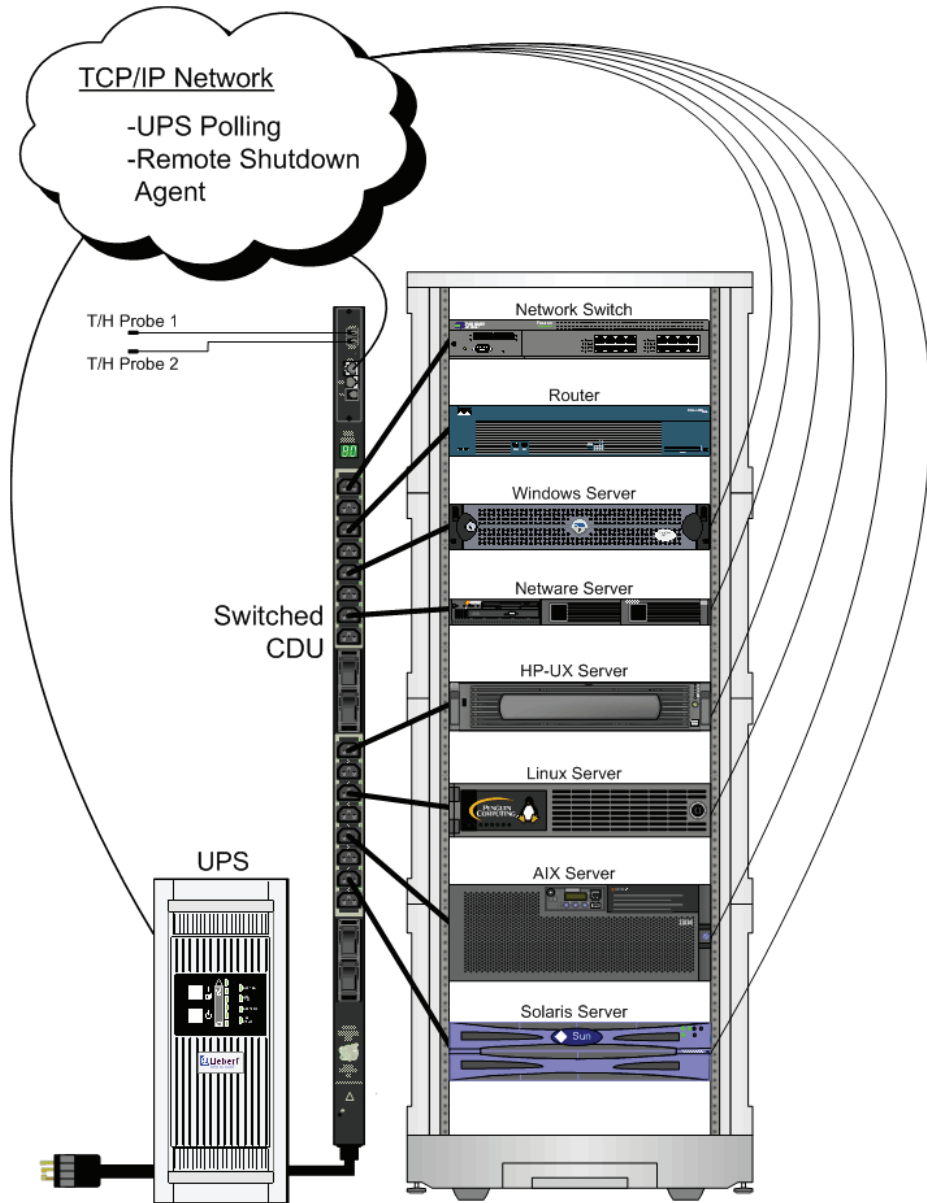
The Sentry CDU family meets the UL 60950-1 requirement for branch circuit protection and also provides the ability to replace fuses without the use of tools.



How Does Smart Load Shedding Work?

Server Technology is the first to offer data center managers the ability to automatically manage CDU power outlets based on key operating parameters. These key parameters include temperature, in-feed load and UPS power status. Each outlet can be controlled by one or more of these parameters. Should the temperature or load current exceed defined thresholds or the UPS lose power and go onto battery all or a portion of the load can be automatically shed to ensure longer operational life of your critical devices. If one or more servers are being shed a controlled shut down can be accomplished via a remote shutdown agent. Along with automatic shedding an "auto-recovery" function ensures that all devices are brought back to a defined state when conditions return to normal. The UPS devices that are supported include: APC®, MGE, Generic (RFC 1628 Support), Minuteman, Eaton®/Powerware, Liebert, Tripp Lite, Hewlett Packard®, Mitsubishi®, and Toshiba.

Ensure maximum uptime for your critical devices



Other features include:

- Easy to use, integral, web based GUI configuration tool
- Logging via SYSLOG all load shedding actions
- "Auto-recovery" with a reboot delay time when conditions return to normal
- Regular polling of UPS power state
- Each CDU outlet is assigned the IP address of the device connected to it to ensure that the device is working properly and for notification of a shut down
- Remote shutdown agent for orderly server shut down
- SNMP trap notifications
- SMTP based email load shedding event notification


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