

Smart Power Monitor

CS-2HD1 120V with C19/C20 Connectors

Key Features

- >**Input Current Monitor:**
Precisely measure the aggregate current draw (in amps) on each power circuit. Networked verification via web browser or serial screen.
- >**High Density:** 120V 20A input/output design.
- >**IP Access & Security:** Web interface, SSL, SSH, telnet, SNMP, FTP, SNTF, Syslog, LDAP, LDAPS, RADIUS, TACACS and RS-232 access.
- >**Environmental Monitoring:**
Supports two external temperature and humidity probes and reports conditions thru the user interface without the need for additional IP addresses .
- > New Digital TRMS current monitoring ensures accuracy.
- >**Alerts:** Provides automated SNMP-based alarms or email alerts for power and environmental conditions.



Digital TRMS Current Load Metering

Allows the ability to easily add input current load or power monitoring to any existing cabinet via an integral web based interface or through a serial connection. This allows you to determine:

- 1) if there is available power to add additional devices to the cabinet
- 2) if you are close to exceeding the circuit's capacity and triggering an over current protection device bringing down the power in-feed
- 3) the proper loading of each CDU's power in-feed to ensure redundancy.

Note: In an A and B power in-feed configuration each Cabinet Power Distribution Unit (CDU) should not be loaded to over 40% of the rated load to ensure that if one of the power in-feeds is lost that the whole load can be supported by the CDU that still has power available.

Additional Benefits



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.



Input Current Monitoring

The Digital True RMS current monitoring, with improved accuracy, is critical to preventing overloads in high-density computing environments. The web GUI, accessed by a network connection or via the built in serial port, reports the input current (in Amps) of each power circuit for simple load balancing.



INPUT OUTPUT
POWER FEED A

OUTPUT INPUT
POWER FEED B

Model	Input Voltage	Amperage	Inputs	Outputs	Dimensions
CS-2HD1A131Z1	100-120V 50/60Hz	20A	(2) IEC 60320/C20 Power Inlet	(2) IEC 60320/C19 Outlet	1.75 x 17.0 x 7.0 in. (44 x 432 x 178mm)

Additional 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

Accessories

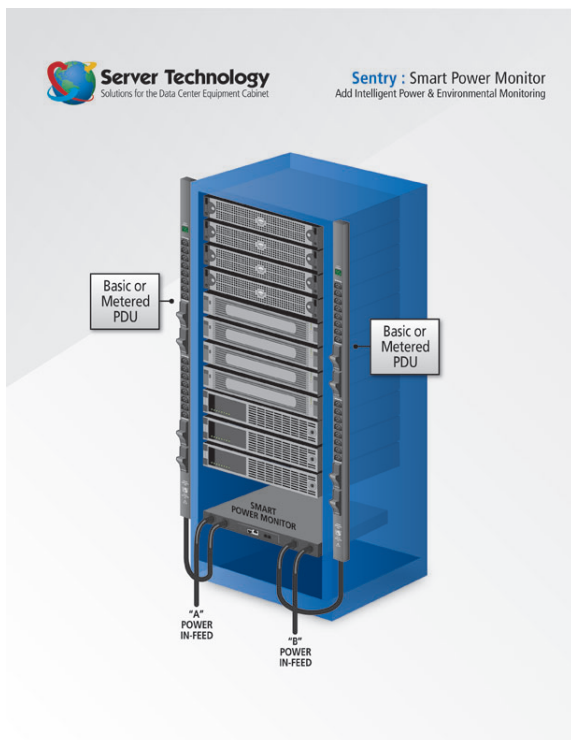
- > Optional Temperature & Humidity Probe
 - EMTH-1-1 Temperature & Humidity Probe, 10 ft (3m)

Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPS/LDAPv3
- > RADIUS
- > TACACS+
- > RS-232 (Serial)

Power Cord Options (for units with C20 power inlets)

- > PTCORD-5 IEC 60320/C19 - 5-15P (15A Straight-Blade) 10 ft (3m)
- > PTCORD-6 IEC 60320/C19 - 5-20P (20A Straight-Blade) 10 ft (3m)
- > PTCORD-7 IEC 60320/C19 - L5-20P (20A Twist-Lock) 10 ft (3m)



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