

C2S42CE-DCMFAM00 (Master)

C2L42CE-DCMFAM00 (Expansion)

The Server Technology® PRO2 Smart PDU provides local LED input current monitoring, allowing IT personnel to determine safe levels of loading on a per-phase basis while installing equipment into the rack/cabinet. The integral PIPS® technology provides billing-grade accurate measurement of current, voltage, active power, apparent power, power factor, crest factor, and accumulated energy at the input. These power data points, along with temperature and humidity measurements (provided via optional probes), are accessible through the built-in Web and CLI interfaces as well as through SNMP. The PRO2 Smart “Master” PDU can be connected to as many as three (with optional module) PRO2 Smart “Link” PDU to extend the network access to the redundant or secondary power feed without the risks of a daisy chain linking configuration.

Key Features



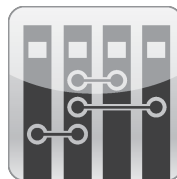
High-Density Outlet Technology



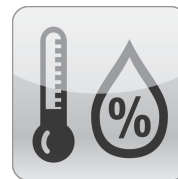
Network Monitoring



Hot-Swap Network Card



Star Multi-Linking



Temperature/
Humidity Monitoring



Auto-Flip Current Display



Per-Inlet Power Sensing



Branch Current Monitoring



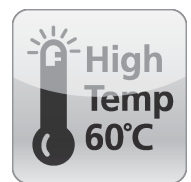
Branch Circuit Protection



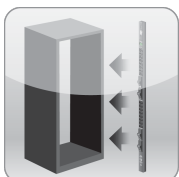
Alternating-Phase Outlets



High Retention Locking Outlets



High Temperature Rating



Flexible Mounting



Color Identification



Cisco EnergyWise¹ Compliant

Inputs

Input Voltage: 208

Input Plug: NEMA L15-30P

Input Current: 30

Input Current Rated: 24

Outputs

Connector: (42) x IEC 60320/C13

North American Rating (C13): $\leq 12\text{A @}208\text{V L-L (15A Peak)}$

Locking outlets provide high-retention even for non-locking cords.

Branch Circuit Protection

UL489 compliant 2-pole, 20A trip circuit breakers, three (3) branches, rating: $\leq 16\text{A @}208\text{-}240\text{V}$

Physical

Dimensions: 70.0 (1778.0 mm) tall x 2.2 (56.0 mm) wide x 2.5 (64.0 mm) deep | 0 lbs

Environmental

Operating Environment: 32°F to 140°F / 0°C to 60 °C | 8%RH to 90%RH non-condensing | 6,500ft/2km elevation

Storage Environment: -40°F to 185°F / -40°C to 85°C | 8%RH to 90%RH non-condensing | 50,000ft/15km elevation

Quiescent / Unloaded Power Draw: <10W for all configurations

Communications & Security

10/100 Mbps Ethernet (RJ-45 connector), RS-232 serial (RJ-45 connector)

Two (2) temperature/humidity sensor inputs (4P4C), Link port (RJ-12) - {also on Link PDU}

Web-browser GUI and command-line interface (CLI): HTTP/HTTPS, TLSv1, SSHv2, Telnet, SNMPv2c and v3 (GET, SET, Traps), IPv4 and IPv6, LDAPv3/LDAPS, TACACS+, RADIUS, FTP/SFTP

Certifications

North American:

cTUVus Mark to UL 60950-1:2007 and CAN/CSA 22.2 No. 60950-1-07 + A1:2011
EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A
FCC Class A, Part 15

Measurement Accuracy

Input Measurement Accuracy:

LED Current = $\pm 10\%$ at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution
GUI Current = $\pm 1\%$ at 0.01 amp resolution (above 0.25 amp)
Voltage = $\pm 1\%$ at 0.1 volt resolution (nominal $\pm 10\%$)
Active Power = $\pm 1\%$ at 1 watt resolution
Apparent Power = $\pm 1\%$ at 1 volt-amp resolution
Power Factor = $\pm 3\%$ at 0.01 resolution
Crest Factor = $\pm 10\%$ at 0.1 resolution
Energy = $\pm 1\%$ at 0.1 kilowatt-hour resolution

Branch Measurement Accuracy

Current = $\pm 3\%$ at 0.01 amp resolution (above 0.5 amp)

Optional Accessories

EMTH-1-1 Combination Temperature/Humidity Probe, 10ft (3m)

EMCU-1-1B Environmental Monitor adding:

- Two (2) EMTH-1-1 temperature/humidity ports (one probe included)
- One (1) EMWS-1-1 water sensor port (probe sold separately)
- Four (4) dry contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)

KIT-PRO2LINK-01M or -01D provides ability to link (2) additional PRO2 units

KIT-STEYE-01 or -10 provides access to key metrics through Bluetooth

SPM (Sentry® Power Manager):

- Monitor and manage multiple PDUs from a single point
- Monitor and manage alarm conditions
- Create reports and trends on stored data
- Analyze power usage per phase
- Optional appliance or virtual version
- VMware Ready2

Mounting Brackets

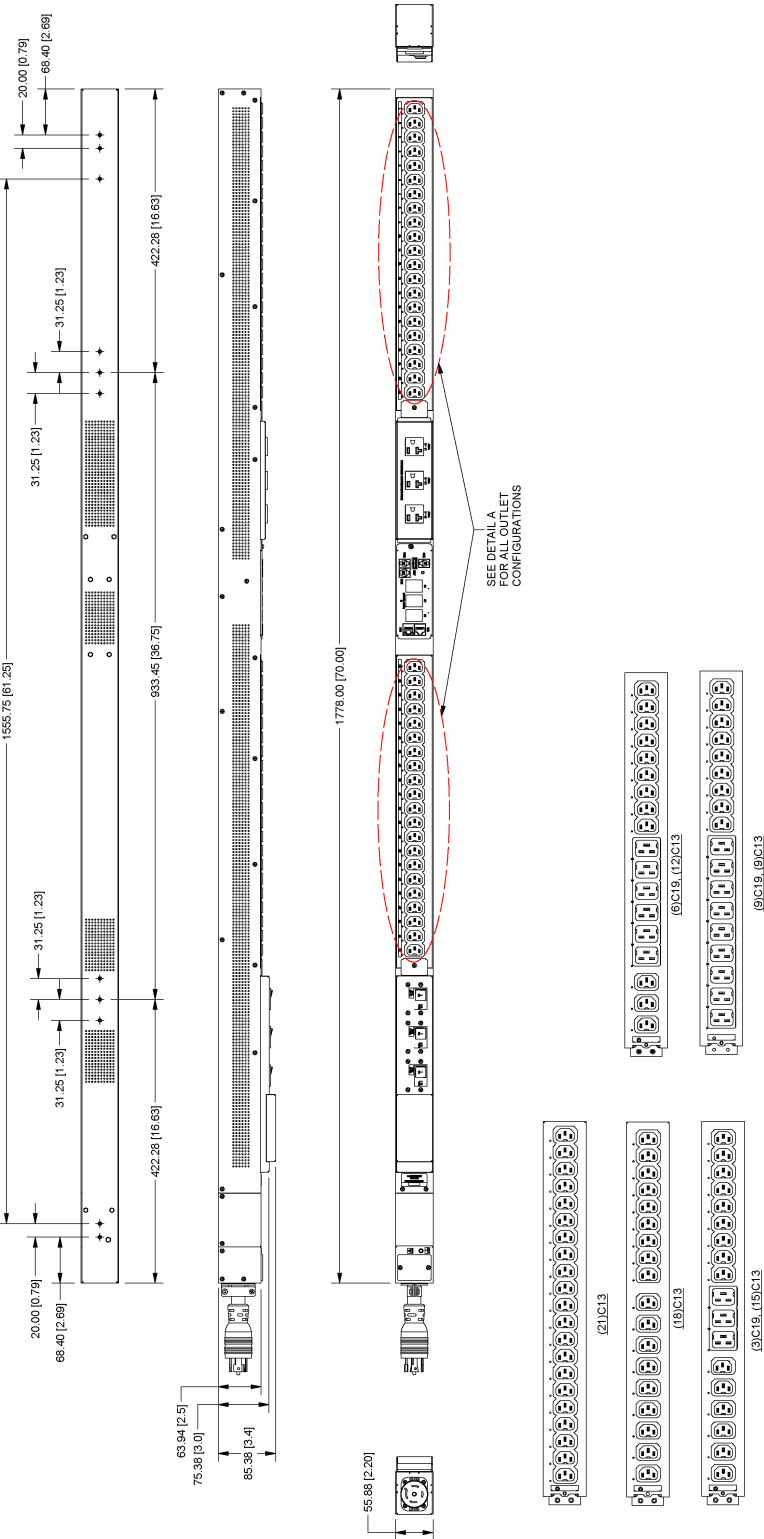
- Buttons (KIT-0020) included for tool-less mounting (see diagram)
- See the Mounting Bracket Guide for further suggestions
- Custom mounting options available. Contact your local Server Technology representative

Cable Retention Devices for non-locking cords

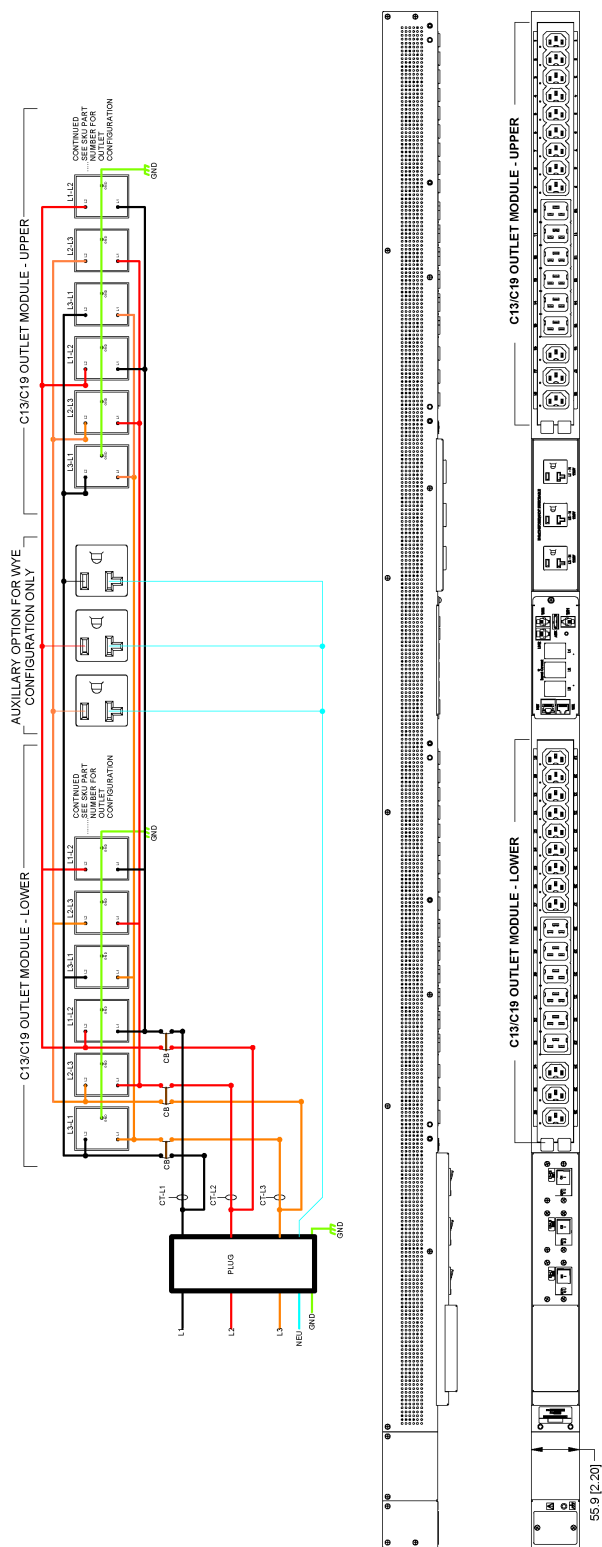
- Ezip
- Cable Sleeve

Drawings

Mechanical Drawing



Electrical Drawing



Additional Information

Warranty: Server Technology offers a standard 2-year limited parts & labor warranty. Extended support is available at the time of purchase. See the Support Options on the website, or contact your local Server Technology representative for more information.

Patents: Information on Server Technology patents is available on the website at:

www.servertech.com/products/patents

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³ “Global” models are typically for use in countries outside of North America. Contact your Server Technology representative for more information about which models are appropriate for your application.



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