Server Technology
A brand of legrand

STV-6541C (Master)

SEV-6541C (Link)

The Server Technology® PRO2 Switched POPS PDU provides control of outlet power and 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® and POPS® technology provides billing-grade accurate measurement of current, voltage, active power, apparent power, power factor, crest factor, and accumulated energy at the input and at each output. 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 Switched POPS "Master" PDU can be connected to as many as three (with optional module) PRO2 Switched POPS "Link" PDUs to extend the network access to the redundant or secondary power feed without the risks of a daisy chain linking configuration.

Key Features



Network Monitoring
Gain access to valuable data through connections including HTTP(S), SSH, Telnet, SNMP, (S)FTP, SMTP, Syslog, LDAP(S), RS-232 serial, and more.



Star Multi-Linking
Provides the ability to link up to four power circuits using one IP address. Primary link provides backup power to network card.



Auto-Flip Current Display
Easy-to-read LEDs display current per phase to help prevent overloads and simplify three-phase load balancing in high-density cabinets.



Per-Outlet Power Sensing
Meets ANSI C12.1 for billing-grade accuracy of Current per phase. POPS includes voltage, active power, apparent power, power factor, and energy.



Branch Circuit Protection
This PDU meets the UL and IEC 60950-1 requirement for branch circuit protection through use of UL489 rated magnetic-hydraulic circuit breakers or UL248 fuses.



High Retention Locking Outlets
Receptacles have high retention and are compatible with P-Lock type power cords.



Flexible Mounting
Includes standard button mounts along with provisions for custom mounting brackets (contact Server Technology for details).



Hot-Swap Network Card
Network access is ensured when power is lost to the Master unit with backup power provided by the primary link unit.



Temperature/Humidity Monitoring
Master and Link units each support two external 10' (3m) T/H probes. Receive SNMP-based alerts and email notifications.



Per-Inlet Power Sensing
Meets ANSI C12.1 for billing-grade accuracy of Current per phase. PIPS includes voltage, active power, apparent power, power factor, and energy.



Branch Current Monitoring
Monitors current at each breaker branch and provides SNMP-based alerts and emails on high usage that risks a tripped circuit.



Outlet Control
On Switched rack PDUs, cycle power to individual outlets or groups of outlets to reboot servers. Or, power off unused receptacles.



High Temperature Rating
This product has been tested and approved for safe and reliable operation in 60 °C data center environments.



Color Identification
Choose from six colors to designate circuits for rack PDUs in the data center. Color options include Blue, Red, Green, White, Yellow, and Black.

Inputs

Input Voltage (V):	208
Input Plug:	NEMA L6-30P
Input Current (A):	30
Input Current Rated (A):	24
Input Power Capacity (kW):	5.0

Outputs

Connector	Rating
(18) x IEC 60320/C13	North American Rating: ⩽ 12A @208V L-L (15A Peak)
(6) x IEC 60320/C19	North American Rating: ⩽ 16A @208V L-L (20A Peak)

Branch Circuit Protection

UL489 Compliant 2-pole, 20A trip circuit breakers, two (2) branch, rating: ⩽ 16A, 5 kAIC Interrupt Rating

Physical

Dimensions: 64.0in tall x 1.75in wide x 3.5in deep [1626mm x 45mm x 89mm]

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, TLSv1.2, 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 R10.14
CAN/CSA-C22.2 No. 60950-1-07+A1:2011+A2:2014
FCC Part 15 Subpart B Sections 15.107 and 15.109, Class A

Measurement Accuracy

Input Measurement Accuracy:
LED Current = ± 10% at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution
GUI Current = ± 1% at 0.01 amp resolution (above 0.25 amp)
Voltage = ± 1% at 0.1 volt resolution (nominal ± 10%)
Active Power = ± 1% at 1 watt resolution
Apparent Power = ± 1% at 1 volt-amp resolution
Power Factor = ± 3% at 0.01 resolution
Crest Factor = ± 10% at 0.1 resolution

Energy = ± 1% at 0.1 kilowatt-hour resolution

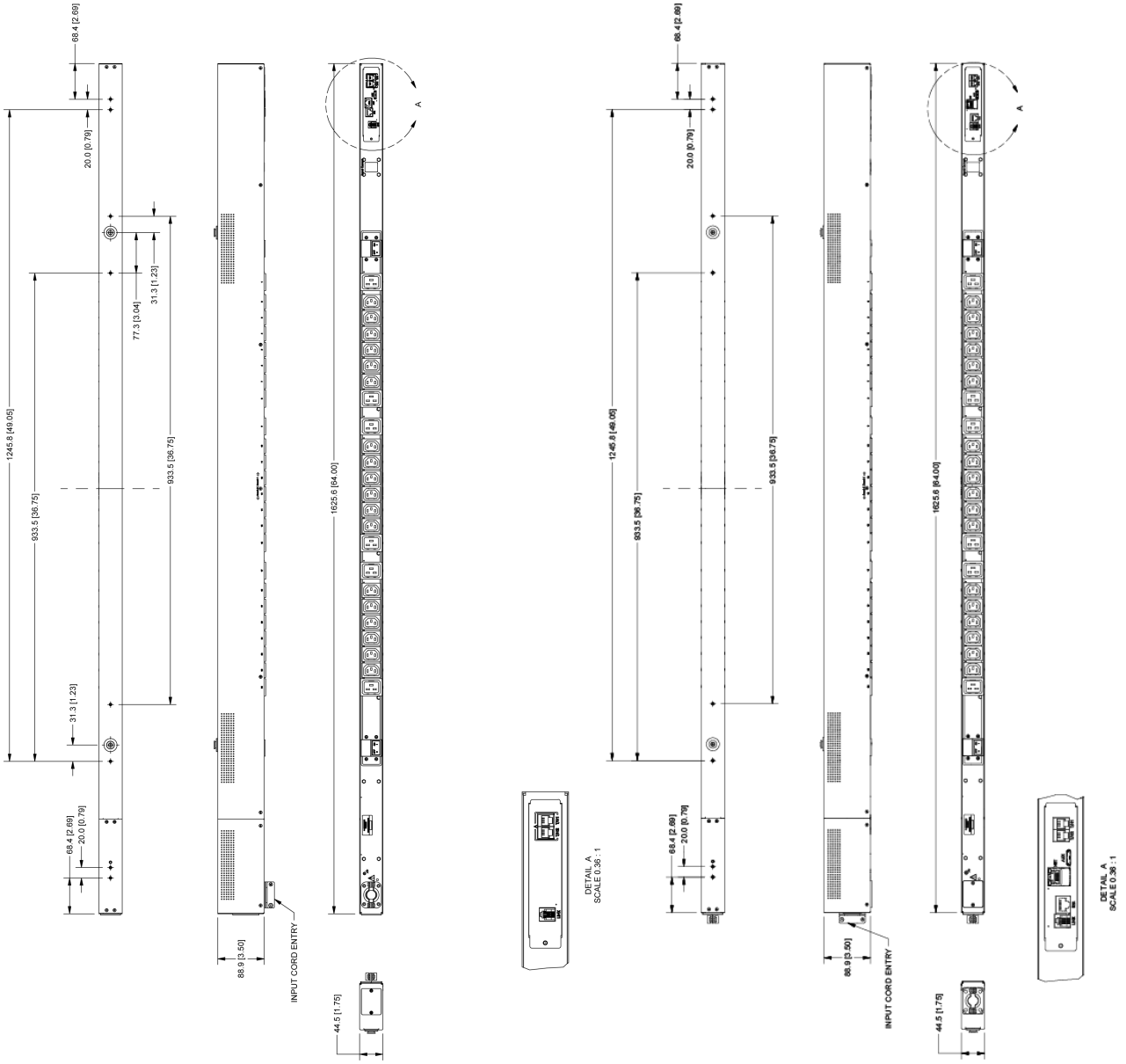
Output Measurement Accuracy
GUI Current = ± 1% at 0.01 amp resolution (above 0.15 amp)
Voltage = ± 1% at 0.1 volt resolution (nominal ± 10%)
Active Power = ± 1% at 1 watt resolution
Apparent Power = ± 1% at 1 volt-amp resolution
Power Factor = ± 3% at 0.01 resolution
Crest Factor = ± 10% at 0.1 resolution
Energy = ± 1% at 1 watt-hour resolution

Branch Measurement Accuracy
Current = ± 3% at 0.01 amp resolution (above 0.5 amp)

Optional Accessories

EMTH-2-10 Combination Temperature/Humidity Probe, 10ft (3m)
EMCU-1-1C Environmental Monitor adding:
- Two (2) EMTH-2-10 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-SUS-01 StartUp Stick™ for rapid configurationMounting 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


68.4 [2.69]
20.0 [0.79]
77.3 [3.04]
31.3 [1.23]
1245.8 [49.05]
933.5 [36.75]
933.5 [36.75]
31.3 [1.23]
68.4 [2.69]
20.0 [0.79]
1625.6 [64.00]
88.9 [3.50]
INPUT CORD ENTRY
44.5 [1.75]
DETAIL A
SCALE 0.36 : 1
68.4 [2.69]
20.0 [0.79]
1245.8 [49.05]
933.5 [36.75]
933.5 [36.75]
68.4 [2.69]
20.0 [0.79]
1625.6 [64.00]
88.9 [3.50]
INPUT CORD ENTRY
44.5 [1.75]
DETAIL A
SCALE 0.36 : 1

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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[2] VMware and VMware Ready is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions.

[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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