STV-3101K (Master)

SEV-3101K (Expansion)

The Server Technology® 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 accurate measurement of current (billing-grade), 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 Smart "Master" PDU can be connected to a Smart "Link" PDU to extend the network access to the redundant or secondary power feed.

Key Features

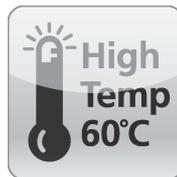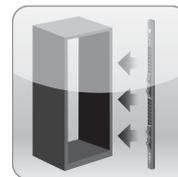|					
Network Monitoring	Temperature/ Humidity Monitoring	Auto-Flip Current Display	Per-Inlet Power Sensing	High Retention Locking Outlets	Power Pivot™
Color Identification	Cisco EnergyWise[1] Compliant	Branch Circuit Protection	High Temperature Rating	Flexible Mounting	Linkable Expansion

Inputs

Input Voltage: 230

Input Plug: IEC 230V/32A 2P+PE 6Hr

Input Current: 32

Input Current Rated: 32

Outputs

Connector: (24) x IEC 60320/C13

Global Rating (C13): ≤ 10A @230V L-N

Connector: (6) x IEC 60320/C19

Global Rating (C19): ≤ 16A @230V L-N

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

Branch Circuit Protection

UL489 compliant 2-pole, 20A trip circuit breakers, two (2) branches, rating: ≤ 16A @220-240V

Physical

Dimensions: 60.0 (1524.0 mm) tall x 1.75 (45.0 mm) wide x 2.25 (58.0 mm) deep

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

Global:
TUV T-Mark to EN 60950-1:2006 + A11 + A1 + A12
EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A
CE Mark
RoHS/WEEE

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

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-STEYE-01 or -10 provides access to key metrics through Bluetooth
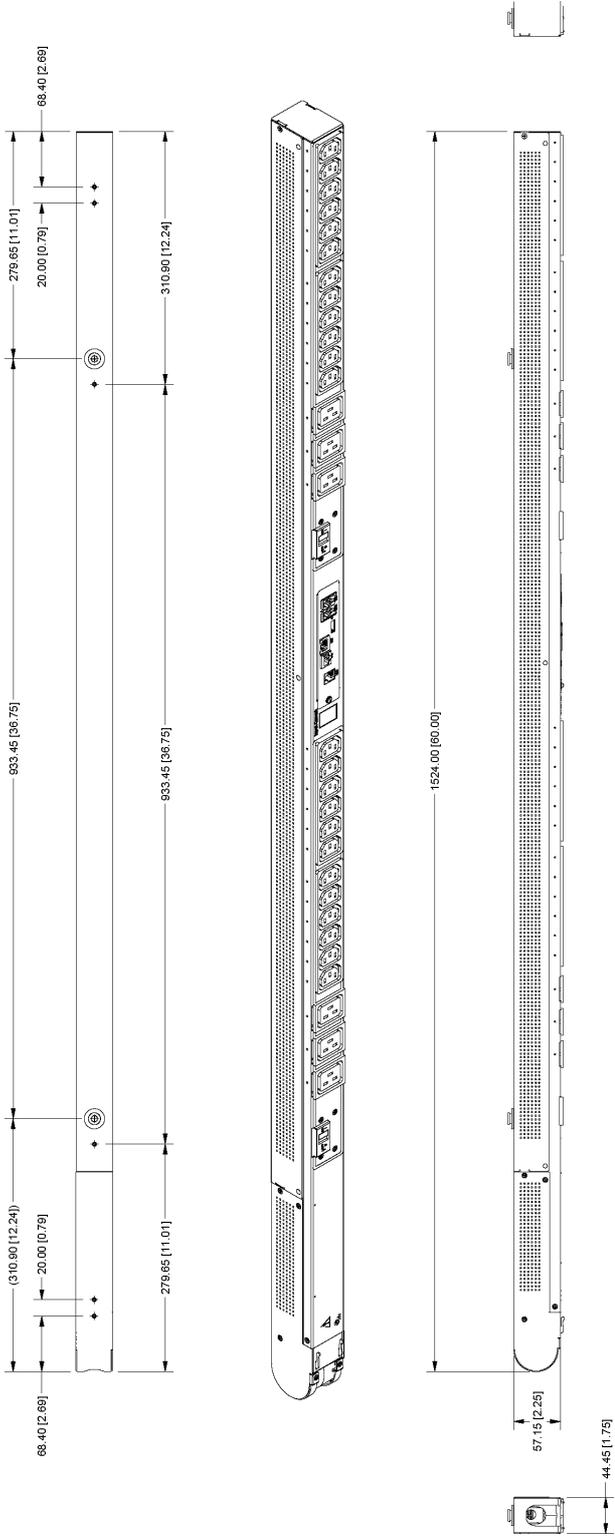SPM (Sentry® Power Manager):
- Monitor and manage multiple PDUs from a single point
- Monitor and manage alarm conditions
- Create reports and trends on stored data
- Analyze power usage per phase
- Optional appliance or virtual version
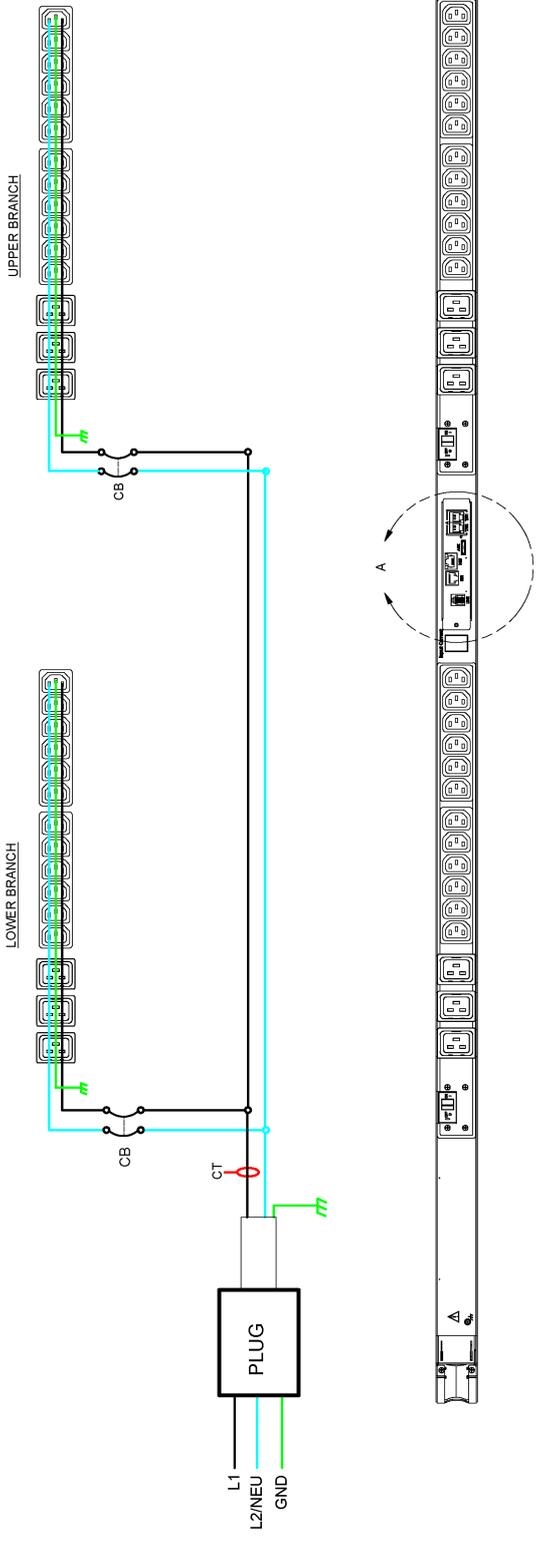- Vmware Ready2
Mounting Brackets
- Buttons (KIT-0020) included for tool-less mounting (see diagram)
- See the Mounting Bracket Guide for further suggestions
- Custom mounting options available. Contact your local Server Technology representative
Cable Retention Devices for non-locking cords
- Ezip
- Cable Sleeve

Drawings

Mechanical Drawing

Electrical Drawing

UPPER BRANCH

LOWER BRANCH

CB

CB

CT

PLUG

L1
L2/NEU
GND

A

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:

<div align="center">www.servertech.com/products/patents</div>

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[1] Cisco EnergyWise is a U.S. registered trademark of Cisco Technology, Inc.

[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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