

CLIMAVENETA

PDU

SOLUTIONS

Quality
Rack Power
Technology

Climaveneta presents the new PDU power distribution range of products that help to manage power capacity, reduce downtime and improve energy efficiency inside your data center.

The new Climaveneta range includes an extensive selection of PDUs to manage power usage for servers, storage and network equipment.

All the products are manufactured to meet the highest quality standards and are 100% performance tested for reliability and accuracy.

Certifications & Compliance

All PDU products comply with one or more of the certifications below:

- European Union (TUVGS mark) to EN 60950-1:2001
- EMC – EN 55022 Class A, EN 55024
- CE
- UL 60950-1

Key Features



Branch circuit protection: PDUs are UL 60950-1 certified for branch circuit protection and use fuses or circuit breakers to protect each outlet branch.



Input current monitoring: Easy-to-read LEDs display current per phase to help prevent overloads & simplify 3-phase load balancing in high density cabinets.



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



Linked Expansion: Exclusive method for linking additional PDUs together under a single IP address with support for A & B power in-feeds.



Star Multi-link Expansion Kit *PRO2*: PRO2 provides the ability to link up to four power circuits using one IP address. Kit sold separately. Email, & Syslog.



IP access, security & communications: Web, SSH, Telnet, SNMPv2c & v3, RS-232 serial, 10/100 Base T-Ethernet, LDAP(S), TACACS+, RADIUS, DHCP, & SMTP/email.



Outlet control: On Switched PDUs, cycle power to individual outlets or groups of outlets to reboot servers; or to power off unused receptacles.



Pops® (Per outlet power sensing): Monitor Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor, Power Factor, and Energy per outlet.



Pips® (Per inlet power sensing): Monitor Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor, Reactance, Accumulated Energy (kWh), and Power Factor per inlet.



Startup Stick: The quick and easy solution to PDU configuration when DHCP is not available.

Conceived to deliver highest efficiency inside any data center environment, Climaveneta PDU's modular and flexible architecture eliminates single points of failure, reducing downtime and costs while even meeting customer-specific requirements.



HDOT® (High Density Outlet Technology): Maximize outlet density with our uniquely designed, high density modules for standard C13 & C19 outlets.



Alternating Phase: Phased power is alternated between each outlet, instead of each branch, which simplifies load balancing and clutter.



Branch Current Monitoring *PRO2*: PRO2 monitors current at each breaker/fuse branch and alerts when high usage risks a tripped circuit.



High Temperature Rating: Products are tested and approved for safe and reliable operation in 60°C (140°F) data center environments.



Hot Swappable Network Card with Backup Power *PRO2*: Network access is ensured when power is lost to the Master unit with backup power provided by the primary link unit.



Power Pivot™: The 90° rotatable power cord allows for standardized deployment at any facility no matter where power must be routed.



ST Eye Mobile App with Bluetooth Connectivity: The best PDU LCD is the one in your hand. Attach the ST Eye Bluetooth module for access to power data & system settings.



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



Cable retention: Reduces accidental disconnects by ensuring that power cords are solidly connected to their respective devices.



Color Coded PDUs: Select from six colors to designate PDU circuits in the data center — black, white, red, green, blue, and yellow.

CLIMAVENETA PDU PRODUCT RANGE

CLIMAVENETA PDU VERSIONS

Basic PDU

Basic PDU is an entry level product that provides reliable power distribution and branch circuit protection for all the devices in the equipment cabinet.

Metered PDU

Metered PDU products provide branch circuit protection and reliable power distribution for all devices in the equipment cabinet. Local input current monitoring allows the installation engineer to verify the aggregate load on the circuit or phase.

Smart PDU

Smart PDU products provide reliable power distribution coupled with remote power and environmental monitoring. Use the network interface to view power, temperature and humidity levels via Web browser, or SNMP-based and email alerts when conditions exceed defined thresholds. Add an Expansion.

Switched PDU

Switched PDU products provide the same reliable power distribution, monitoring, and alerting as the Smart PDU while adding outlet On/Off/Reboot control. Use the Switched PDU to cycle power on dual power IT equipment with one command. With outlet control, gain features like power-up sequencing and smart load shedding.

POPS® Smart & Switched PDU

Adds Per Outlet Power Sensing (POPS) to the Switched PDU which provides power monitoring per an individual outlet/device. Power information per individual outlet / device includes current, voltage, power (kW), apparent power, crest factor, and power factor. Using our grouping technology, power information is available per device, groups of devices (application), individual PDU or cabinet.

PIPS® Smart & Switched PDU

Per Inlet Power Sensing (PIPS) PDUs provide expansive high-accuracy power monitoring per inlet/infeed.

This includes current, voltage, power (kW), apparent power, crest factor, power factor, and accumulated energy. With this feature there is no need to add more expensive, less accurate panel monitoring upstream.

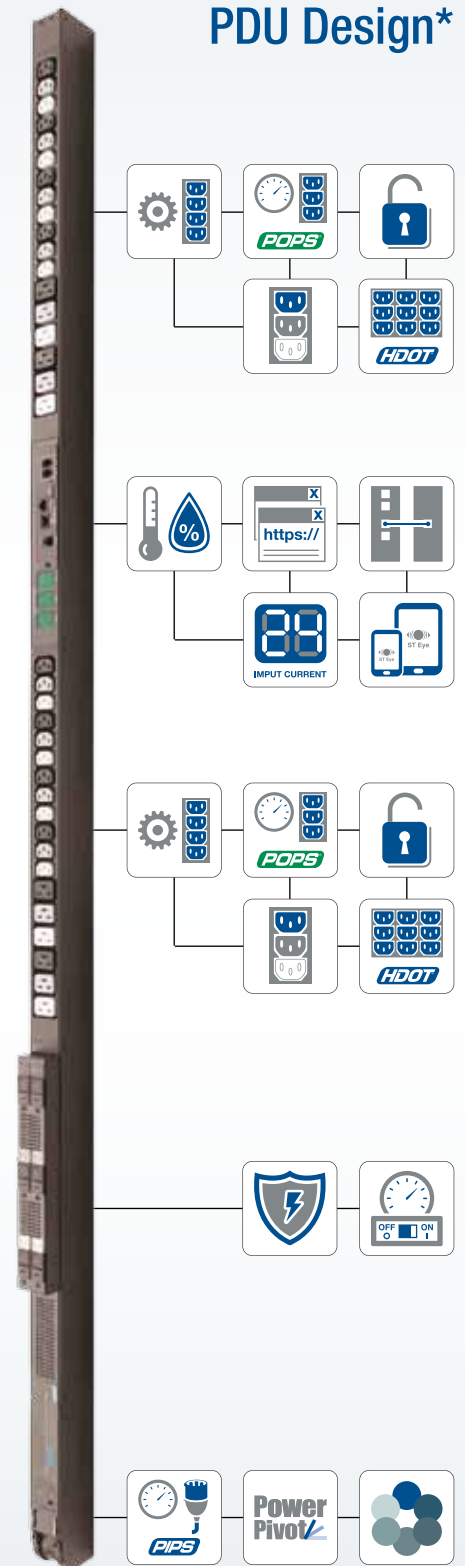
PRO2™ PDU

Improve uptime by maintaining high availability to your data through redundantly powered hot-swappable network cards and multi-link capability. Gain additional insight into rising loads or heat through multi-level alarms.

Fail-Safe Transfer Switch (FSTS)

The Fail-Safe Transfer Switch features two input power feeds, providing redundancy for single-supply equipment. If either power in-feed halts, the FSTS auto-switches to the remaining in-feed to retain power to the equipment.

PDU Design*



*Some features may only be available on select models.

PRO2™ PDU

The Next Evolution in PDU Design

Designed to satisfy the most demanding application requirements, PRO2's flexible hardware platform features more outlets, a faster processor, improved firmware and security, more redundancy, more customization and additional resiliency.

With PRO2, customers can maintain uptime with access to current data and future trends:

- Maintain high availability to your data
- Stay informed of rising loads
- Be proactive on your power supply management
- Plan your future success

PRO2 shows a 20% smaller form than traditional products, with a 25% increase in outlet density that allows the PRO2 to be utilized in a wider range of cabinets and configurations.

The network interface card is hot swappable in the field without changing the state of the outlets. In the unlikely event that the network card fails, it can easily be replaced under power without any additional configuration required.



Key PRO2 Benefits

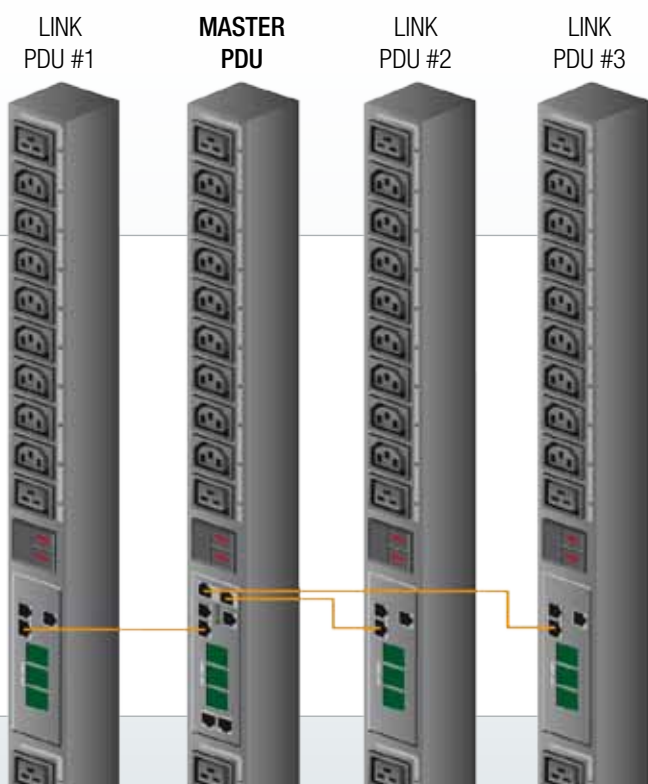
- Hot-swappable, redundantly-powered network card — from link PDU (shown above)
- Branch current measurements and multi-level alerts
- Shallower enclosure when compared to previous generation PDU
- More alarms and configuration options compared to previous generation PDU
- Star architecture multi-linking for connection of up to 3 Link units per Master PDU, allowing for 1 IP address for 2 cabinets

Key Intelligent PDU Benefits

- PIPS® and/or POPS® high-accuracy measurements of current, voltage, power, and other key power metrics
- Environmental measurements via plug-and-play probes (including link PDU)
- Use PM (Power Manager) for data center monitoring
- SNMP traps and email alerts

Star architecture multi-linking

- Linking of up to 3 Link units per Master PDU (1 IP address for 2 cabinets)
- No need for a network card (if one of the link units experiences a failure, the user will not lose communication with the other linked units)
- Perfect uptime 24/7 (In case of master unit power outage, redundant power is provided to the network interface of the Master unit via the first link unit)



CLIMAVENETA PDU PRODUCT RANGE

Startup Stick

Increases the speed of the PDU deployment

The StartUp Stick provides a unique means to more easily create individual PDU configurations, including IP addresses, on a computer workstation and be able to mass deploy these configurations to each PDU in mere seconds. You get a spreadsheet-based tool with built-in rules verification, a standard USB interface for PC/MAC, simple LED pass/fail indicator, & on-board logging.



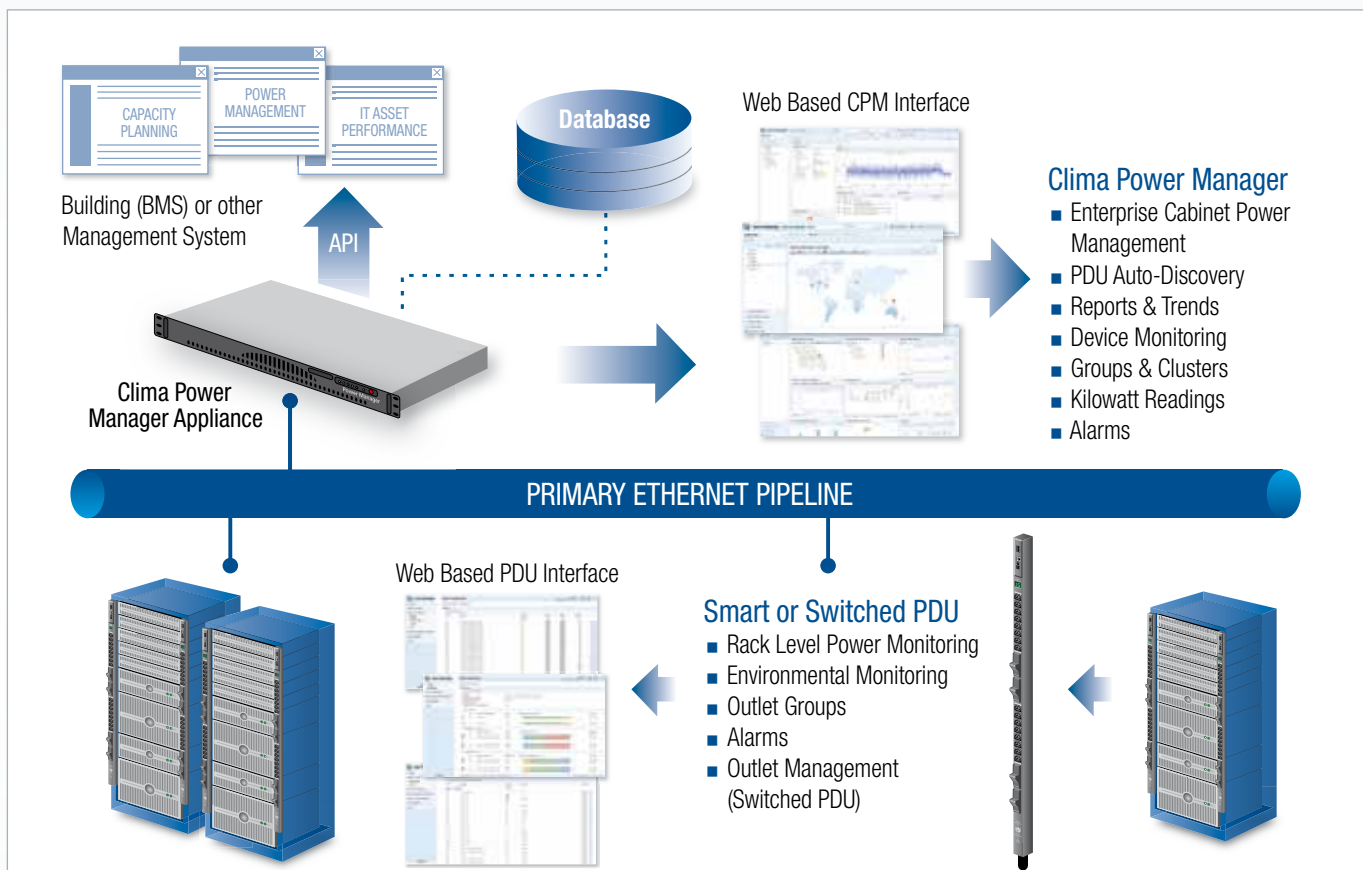
Benefits of using StartUp Stick for your next PDU deployment:

- No DHCP, no problem: One StartUp Stick to get thousands of PDUs on your network
- No **scripting**: Set the configuration of as many as 79 parameters at the comfort of your desk
- No need to lug your laptop or crash-cart around the data center: Configure in rack or at powered bench
- ROI in a matter of hours: 5-second typical configuration load time per unit with LED confirmation
- Leverage expansion PDUs for even further reduction in configuration time
- Speed up integration of CPM using scheduled discovery and **SNAP** to start monitoring right away
- **Requirements**: PC/MAC running Microsoft Excel 2007 with VBA or higher & CDU or PRO2 units running v7.0s or v8.0c firmware minimum

CLIMA POWER MANAGER (CPM)

Manage multiple PDUs across multiple locations

In case of multiple Clima PDUs in one or more locations that you would like to access from one central point, the Clima Power Manager (CPM) product is capable of monitoring and managing multiple Climaveneta devices in IP-based enterprise networks. CPM provides a global view of all Climaveneta PDUs with the ability to view devices based on their temperature, humidity, current and device status. Besides managing and monitoring all alarm conditions, this information can also be used to provide reporting and trending information for display within CPM or integrated with your existing Building Management System (BMS).



Main features

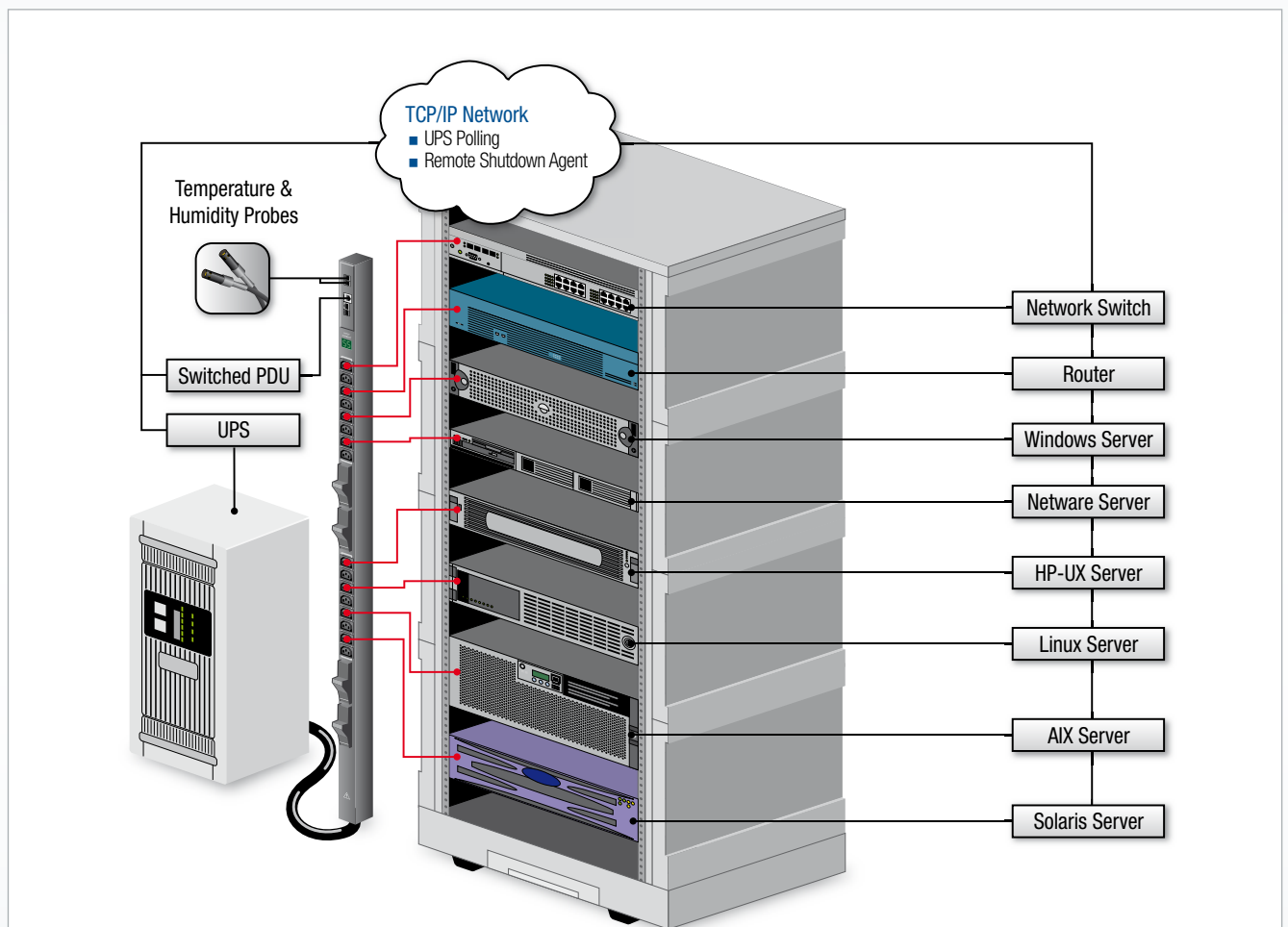
- CPM provides a global view of all Climaveneta PDUs with the ability to view devices based on their temperature, humidity, current and device status
- Manage and monitor all user-defined alarm conditions on your entire network
- Group and cluster outlets for remote reboot, power measurement information across a single PDU, a linked PDU, or across the entire network
- Allows measurement of power consumption and capacity planning
- Auto-discover all your PDUs connected to your IP network
- View Logs for user access, discovery, user actions, and alarms
- Multiple user levels and permissions including support for LDAP
- Control individual outlets on Switched PDUs

CLIMAVENETA PDU PRODUCT RANGE

CLIMA SMART LOAD SHEDDING

Load Management based on Temperature, In-feed Load, and UPS Status

Clima Smart Load Shedding provides data center managers with the ability to automatically manage Switched PDU power outlets based on key operating parameters, including temperature, in-feed load, and UPS power status. Each outlet may 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 loads may be automatically shed to ensure longer operational life of your critical devices.

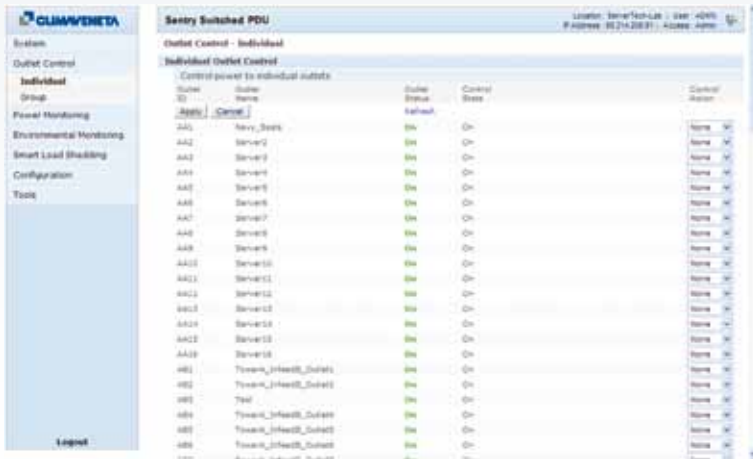


Main features

- < Easy to use, integral, web based **GUI** configuration tool.
- "Auto-recovery" with a reboot delay time when conditions return to normal.
- Each PDU outlet is assigned the IP address of the connected device for shut down notification.
- Remote shutdown agent for server shut down.
- SNMP trap notifications.
- Load shedding event notifications via SNMP traps or e-mail alerts.

CLIMA ACCESS, SECURITY & COMMUNICATION

Secure Remote Administration Interface



Web Based GUI: Individual Outlet Control Screen



Web Based GUI: System Configuration Screen



Web Based GUI: Environmental Monitoring Screen

Features

- Secure, web based GUI configuration tool
- Temperature Support (Celsius/Fahrenheit) and Humidity (%)
- Logs authentications, configuration changes and system events
- SNMP and email notifications for multiple users of log, event, power, and authorization, configuration messages
- SYSLOG logging protocol support
- Automatic Firmware Updates via FTP
- Strong Password Support and Pre-Login Banner

Power Information

- Input Feed Voltage (VAC)
- Input Feed Watts (W)
- System Total Watts (W)
- System Footprint (SqFt / SqM)
- System Watts/Area (W/SqFt / W/SqM)

Communication Tools

- Web interface, SSL, SSH, Telnet, SNMP & RS-232 access, 10/100 Base T-Ethernet, SSLv3/TLSv1, SNMPv2, ACACS+, LDAP, LDAPS, RADIUS, DHCP, SMTP/Email, and Syslog.

SMART & SWITCHED PDU WITH PIPS®

Per Inlet Power Sensing PDUs **PIPS**

PIPS technology replaces power monitoring at the RPP (Remote Power Panel) in data centers with higher accuracy in the monitoring of each power circuit attached to the PDU. This feature enhances equipped Smart, Switched, and POPS PDUs with the most accurate and extensive metrics on the market.

PIPS Features

- Power monitoring per inlet/infeed (current, voltage, power, apparent power, crest factor, reactance, power factor and accumulated energy)
- Easy access through either a secure network or serial connection
- Integral web interface for simple and easy monitoring of the PDU
- Several configuration choices: SNMP traps, email alerts, grouping, and all security and communication settings

Communication Tools

- Web Interface
- RS-232 access
- 10/100 Base-T Ethernet
- SMTP/Email
- Telnet
- SSH
- SSLv3/TLSv1
- SNMPv2
- TACACS+
- LDAP
- LDAPS
- RADIUS
- DHCP
- Syslog

Power information & management - Internal Web Interface



System Configuration

Intelligent PDUs enable network access to remotely configure access, outlets, alarms, thresholds, and more.



Easy to read summary screen

The new summary screen allows users to quickly confirm the status of the rack power & environmental conditions.



Per Inlet/Infeed Power Information

- Current (Amps)
- Voltage (Volts)
- Power (Watts)
- Apparent Power (VA)
- Power Factor
- Accumulated Energy (kWh)
- Neutral Current:



Environmental Monitoring

No additional IP address needed to obtain temperature and humidity readings. A pair of probes (EMTH-1-1) can be added to any intelligent master PDU (Smart or Switched).

Per Outlet Power Sensing PDUs

POPS Features

- Simple, secure, integral web interface GUI configuration tool
- Temperature and Humidity Support
- Authentication logging, configuration changes and system events
- Secure Syslog protocol support
- Email notifications of log, event, authorization, power and configuration messages
- Automatic Firmware Updates via FTP server
- Strong Password Support and Pre-Login Banner
- Ability to ping an IP address to see if the device is responding
- Grouping of outlets across Master & Expansion PDUs
- SNMP: Traps based on Status, Changes, Load, Temperature and Humidity

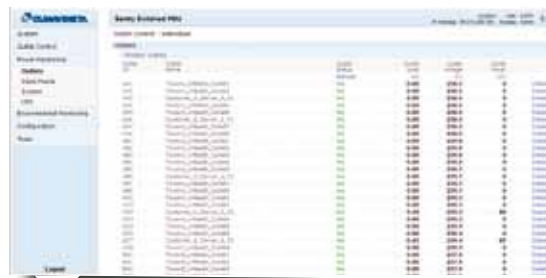
Communication Tools

- Web Interface
- RS-232 access
- 10/100 Base-T Ethernet
- SMTP/Email
- Telnet
- SSH
- SSLv3/TLSv1



Outlet Control Power Monitoring

- Individual Outlet Control
- Current Load Monitoring
- Power Monitoring
- Additional Details



Per PDU Power Information

- Current Load
- Infeed Voltage (VAC)
- Input Feed Watts (W)
- System Total Watts (W)
- System Footprint (SqFt / SqM)
- System Watts (W/SqFt / W/SqM)



Grouped Outlets Power Information*

- Cabinet (single IP address using master/expansion configuration for two PDUs)
- Device (Multiple Outlets)
- Group of Devices (Application)
- Individual PDU



Per Outlet Power Information

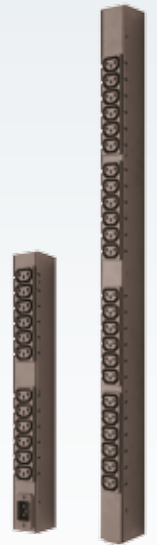
- Current Load (A)
- Voltage (V)
- Power (W)
- Apparent Power (VA)
- Crest Factor
- Power Factor

Basic PDU

Zero-U Vertical Enclosures & Horizontal Rack Mounted Enclosures

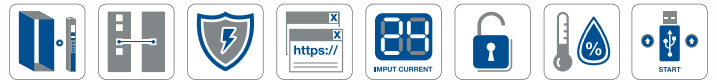


Model	EVO - 1	EVO - 2	EVO - 3
Outlets	(12) C13	(24) C13	(24) C13 + (6) C19
Input Voltage (V)	220-240V	220-240V	220-240V
Max Amps (A)	16A	16A	16A or 32A
Typical Power (kW)	3.6kW	3.6kW	3.6kW or 7.3kW
Output Voltage (V)	220-240V	220-240V	220-240V
Circuit Protection	—	—	Circuit Breakers
Height	10U 432mm	18U 800mm	35U 1520mm
Special features	—	—	



Smart PDU

Horizontal Rack Mounted Enclosures



Model	EVO - 4	EVO - 5	EVO - 6
Outlets	Up to (10) C13 or (2) C19	(12) C19	Up to (26) C13 or (6) C19
Input Voltage (V)	220-240V	220-240V	220-240V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	7.3kW or 14.7kW	3.6kW or 7.3kW
Output Voltage (V)	220-240V	220-240V	220-240V
Circuit Protection	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height & Depth	1U 178mm Depth	2U 254mm Depth	2U 178mm Depth
Special features	 		



Smart PDU

Smart Power Monitor



Model	EVO - 7	EVO - 8	EVO - 9
Outlets	C19	IEC 60309	IEC 60309
Input Voltage (V)	220-240V	220-240V	3-Phase 230/400V
Max Amps (A)	16A	32A	16A or 32A
Typical Power (kW)	7.3kW	14.7kW	22kW or 44kW
Output Voltage (V)	220-240V	220-240V	3-Phase 230/400V
Circuit Protection	—	—	—
Height & Depth	1U 178mm Depth	1U 178mm Depth	1U 178mm Depth



Smart PDU

Zero-U vertical enclosures



Model	EVO - 10	EVO - 11
Outlets	(12) C13 + (12) C19	(18) C13 + (6) C19
Input Voltage (V)	3-Phase 230/400V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A
Typical Power (kW)	11kW or 22kW	11kW or 22kW
Output Voltage (V)	230V	230V
Circuit Protection	Circuit Breakers	Fuses
Height	40U 1753mm	40U 1753mm
Special features		—

Model	EVO - 12	EVO - 13
Outlets	(24) C13	(24) C13 + (6) C19
Input Voltage (V)	3-Phase 208-240V	3-Phase 230/400V
Max Amps (A)	20A or 30A	16A or 32A
Typical Power (kW)	7.2kW or 10.8kW	11kW or 22kW
Output Voltage (V)	208-240V	230V
Circuit Protection	Fuses	Circuit Breakers
Height	40U 69" 1753mm	41U 1781mm
Special features		



Model	EVO - 14	EVO - 15	EVO - 16
Outlets	Up to (42) C13 or (15) C19	(36) C13 + (6) C19	Up to (42) C13 or (15) C19
Input Voltage (V)	220-240V	220-240V	3-Phase 230/400V
Max Amps (A)	16A or 32A	32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	7.3kW	11kW or 22kW
Output Voltage (V)	220-240V	220-240V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height	40U 1753mm	40U 1753mm	41U 1781mm
Special features			

Model	EVO - 17	EVO - 18
Outlets	Up to (42) C13 or (12) C19	(36) C13 + (6) C19
Input Voltage (V)	3-Phase 230/400V	3-Phase 230/400V
Max Amps (A)	16A or 32A	32A
Typical Power (kW)	11kW or 22kW	22kW
Output Voltage (V)	230V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers
Height	41U 1778mm	40U 1753mm
Special features		

Metered PDU

Horizontal Rack Mounted Enclosures



Model	EVO - 19	EVO - 20	EVO - 21
Outlets	(4) C19	(12) IEC C13	(12) C19
Input Voltage (V)	220-240V	220-240V	220-240V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	3.6kW or 7.3kW	7.3kW or 14.7kW
Output Voltage (V)	220-240V	220-240V	220-240V
Circuit Protection	Fuses	Fuses	Circuit Breakers
Height & Depth	1U 178mm Depth	1U 178mm Depth	2U 254mm Depth



Metered PDU

Zero-U Vertical Enclosures



Model	EVO - 22	EVO - 23	EVO - 24
Outlets	(12) C13	(24) C13 + (6) C19	Up to (42) C13 or (15) C19
Input Voltage (V)	220-240V	220-240V	220-240V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	3.6kW or 7.3kW	3.6kW or 7.3kW
Output Voltage (V)	220-240V	220-240V	220-240V
Circuit Protection	Fuses	Circuit Breakers	Circuit Breakers
Height	18U 794mm	35U 1520mm	40U 1753mm
Special features	—		

Model	EVO - 25	EVO - 26
Outlets	Up to (42) C13 or (15) C19	Up to (42) C13 or (12) C19
Input Voltage (V)	3-Phase 230/400V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A
Typical Power (kW)	11kW or 22kW	11kW or 22kW
Output Voltage (V)	230V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers
Height	41U 1781mm	41U 1778mm
Special features		



Switched PDU

Zero-U vertical enclosures



Model	EVO - 27	EVO - 28	EVO - 29	EVO - 30
Outlets	(16) C13	(18) C13 + (6) C19	(18) C13 + (6) C19	(24) C13
Input Voltage (V)	220-240V	220-240V	220-240V	220-240V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	3.6kW or 7.3kW	3.6kW or 7.3kW	3.6kW or 7.3kW
Output Voltage (V)	220-240V	220-240V	220-240V	220-240V
Circuit Protection	Fuses	Fuses	Circuit Breakers	Circuit Breakers
Height	29U 1257mm	40U 1753mm	40U 1753mm	40U 1753mm
Special features		—		

Model	EVO - 31	EVO - 32	EVO - 33
Outlets	(24) C13	(24) C13 + (6) C19	(24) C13 + (6) C19
Input Voltage (V)	3-Phase 230/400V	220-240V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	11kW or 22kW	3.6kW or 7.3kW	11kW or 22kW
Output Voltage (V)	230V	220-240V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height	40U 1753mm	40U 1753mm	41U 1778mm
Special features			

Model	EVO - 34
Outlets	Up to (42) C13 or (12) C19
Input Voltage (V)	3-Phase 230/400V
Max Amps (A)	16A or 32A
Typical Power (kW)	11kW or 22kW
Output Voltage (V)	230V
Circuit Protection	Circuit Breakers
Height	41U 1778mm
Special features	







Model	EVO - 35	EVO - 36	EVO - 37
Outlets	(48) C13	(36) C13 + (12) C19	(48) C13
Input Voltage (V)	220-240V	3-Phase 230/400V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	11kW or 22kW	11kW or 22kW
Output Voltage (V)	220-240V	230V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height	40U 1753mm	40U 1753mm	40U 1753mm
Special features			



Switched PDU

Horizontal Rack Mounted Enclosures




Model	EVO - 38	EVO - 39	EVO - 40	EVO - 41
Outlets	(2) C13	(8) C13	(16) C13	(16) C13
Input Voltage (V)	220-240V	220-240V	220-240V	220-240V
Max Amps (A)	16A	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW	3.6kW or 7.3kW	3.6kW or 7.3kW	7.3kW or 14.7kW
Output Voltage (V)	220-240V	220-240V	220-240V	220-240V
Circuit Protection	—	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height & Depth	1U 140mm Depth	1U 178mm Depth	2U 178mm Depth	2U 254mm Depth
Special features	Not Linkable	 	 	 














Fail-Safe Transfer Switch (FSTS)

Horizontal Rack Mounted Enclosures










Model	EVO - 42	EVO - 43	EVO - 44
Outlets	(8) C13	(8) C19	(16) C13
Input Voltage (V)	100-120V or 220-240V	220-240V	220-240V
Max Amps (A)	16A	16A or 32A	16A or 32A
Typical Power (kW)	1.9kW or 3.6kW	3.6kW or 7.3kW	3.6kW or 7.3kW
Output Voltage (V)	100-120V or 220-240V	220-240V	220-240V
Circuit Protection	Internal Fuses	Internal Fuses	Internal Fuses
Height	1U 203mm Depth	2U 254mm Depth	2U 254mm Depth
Special features	—	—	















Model	EVO - 45	EVO - 46	EVO - 47
Outlets	(16) C13	C19	C19
Input Voltage (V)	220-240V	220-240V	220-240V
Max Amps (A)	16A or 32A	16A	32A
Typical Power (kW)	3.6kW or 7.3kW	3.6kW	7.3kW
Output Voltage (V)	220-240V	220-240V	220-240V
Circuit Protection	Circuit Breakers	—	—
Height	2U 254mm Depth	1U 178mm Depth	1U 178mm Depth
Special features	    	  	  

POPS® Switched PDU Zero-U Vertical Enclosures





Model	EVO - 48	EVO - 49	EVO - 50	EVO - 51
Outlets	(12) C13 + (4) C19	(18) C13 + (6) C19	(18) C13 + (6) C19	(36) C13 + (12) C19
Input Voltage (V)	220-240V	220-240V	3-Phase 230/400V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	3.6kW or 7.3kW	112kW or 22kW	11kW or 22kW
Output Voltage (V)	220-240V	220-240V	230V	230V
Circuit Protection	Fuses	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height	29U 1256mm	40U 1753mm	40U 1753mm	40U 1753mm
Special features	 		 	 

Model	EVO - 52	EVO - 53
Outlets	(24) C13 + (6) C19	(24) C13 + (6) C19
Input Voltage (V)	220-240V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	11kW or 22kW
Output Voltage (V)	220-240V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers
Height	40U 1753mm	41U 1778mm
Special features	     	     



POPS® Switched PDU Horizontal Rack Mounted Enclosures











Model	EVO - 54	EVO - 55
Outlets	(8) C13	(16) C13
Input Voltage (V)	220-240V	220-240V
Max Amps (A)	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	3.6kW or 7.3kW
Output Voltage (V)	220-240V	220-240V
Circuit Protection	Circuit Breakers	Circuit Breakers
Height & Depth	2U 178mm Depth	2U 178mm Depth
Special features		



POPS® Smart PDU



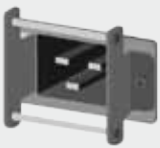
Zero-U Vertical Enclosures



Model	EVO - 56	EVO - 57	EVO - 58
Outlets	(18) C13 + (6) C19	(12) C13 + (12) C19	(36) C13 + (12) C19
Input Voltage (V)	220-240V	3-Phase 230/400V	3-Phase 230/400V
Max Amps (A)	16A or 32A	16A or 32A	16A or 32A
Typical Power (kW)	3.6kW or 7.3kW	11kW or 22kW	11kW or 22kW
Output Voltage (V)	220-240V	230V	230V
Circuit Protection	Circuit Breakers	Circuit Breakers	Circuit Breakers
Height & Depth	35U 1550mm	41U 1794mm	40U 1753mm
Special features	  	 	  



Accessory Options

Model	ENVIRONMENTAL MONITOR CONTROL		BRACKET
			
Type	Temperture & Humidity probes (EMTH)	Environmental Monitoring Control Unit	C20 Inlet Retention Bracket
Function	Measures cabinet temperature & humidity	Supports 2 additional EMTH-1-1, water & 4 dry contact closure door sensors	Securely fastens C19 cord to chassis
Lenght	3m	—	—

By far the best proof is experience

Sir Francis Bacon (British philosopher, 1561-1626)



CCB - China Construction Bank
2015 Beijing - China

Application: Data center

Cooling capacity: 70000 kW

Installed machines:
48x free cooling chillers,
4x heat pumps



Fastweb Tier4
2014 Milan - Italy

Application:
Data center

Cooling capacity: 2800 kW

Installed machines:
4x TECS2/SL-CA-E 0652,
2x ClimaPRO



Vodafone Buccinasco
2015 Buccinasco - Italy

Application: Data center

Cooling capacity: 4635 kW

Installed machines:
4x TECS2/SL-CA-E 0512,
1 x FX-FC-NG / SL-T+ 2602,
2x ClimaPRO,
29x AC close control units



BNP Paribas
2015 Bailly Romainvilliers - France

Application: Data center

Cooling capacity: 12208 kW

Installed machines:
2x FX-FC NG 3902 SL-T,
10x FOCS2 3602 SL-K-S,
8x ACU 25 EC, 4x ACU 30 EC,
8x ACU 70 EC, 8x ACU 171 EC



Minera Spence
2013 Sierra Gorda - Chile

Application:
Telecommunications

Cooling capacity: 3094 kW

Installed machines:
130x HED+HCAT 0041,
42x HED+HCAT 0056,
78x HED+HCAT 0061



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