DATA CENTER POWER SOLUTIONS

LEVITON
Building a Connected World

LEVITON'S INTELLIGENT POWER DISTRIBUTION UNITS

E2X ARCHITECTURE

Power

POWER DISTRIBUTION FOR "ALWAYS ON" ENVIRONMENTS

Your critical applications and equipment are only as good as the power that drives them. In Data Centers and other "always on" environments, Leviton's Intelligent Power Distribution Units (PDU's) provide robust power distribution and advanced local and remote power monitoring and management. PDU's, an important part of Leviton's e2x Architecture for Data Centers, are the ideal solution when reliability and manageability are especially critical.

Leviton offers both Metered and Switched (remote managed) models in multiple configurations to fit a variety of application environments:

- Vertical Zero-U or horizontal rack-mount styles
- 110-120V or 208-240V and 20 and 30 amps
- Various input and output plug styles

Leviton PDU's can help you to:

- *Monitor input current and determine if you have enough power to plug in another device*
- *Appropriately size power infrastructure for future projects*
- *Reboot servers and other network devices remotely*
- *Sequence power during start-up to avoid power in-rush*
- *Manage grouped or individual outlets*
- *Monitor temperature and relative humidity in data center cabinets*
- *Receive SNMP alerts when power or environmental conditions exceed thresholds*
- *Accommodate diverse power options*

[Input Current Monitoring]

[Branch Circuit]

[Button-Mounting]

[Power Cables]

METERED PDU'S
POWER DISTRIBUTION UNITS

Leviton's Metered Power Distribution Units provide the reliable power distribution required for high-demand applications. Industrial-grade outlets and IDC-based conductor terminations enhance reliability and ease of use. Local LED display provides input current monitoring, giving on-site users the ability to monitor aggregate current drawn as equipment is connected to each unit.

Input Current Monitoring - Leviton's True RMS Current Monitoring helps to prevent overloads in high-density computing environments, by telling users whether they have sufficient power to plug in another device. With "True RMS" you'll always receive the most accurate current reading possible for appropriate power allocation. The 3-phase metered unit includes one LED display for each phase.

Branch Circuit Protection - Leviton's Intelligent PDU offering meets the UL 60950-1 requirement for branch circuit protection. Overcurrent protection is provided for each branch circuit via UL-listed Bussman SC fuses. In the event of an overload, only one branch circuit is affected, allowing the other branch to continue functioning normally. Vertical "Zero-U" PDU's feature quick-access fuse panels for easy replacement.

Mounting Hardware - Both Metered and Switched PDU's come with a versatile mounting bracket that allows attachment and positioning within most cabinets and racks. Also included is a button-mounting feature increasingly used by cabinet manufacturers for simplified installation.

Power Options to Fit Every Application - Leviton offers reliable 110-120V or 208-240V power distribution with 20 and 30-Amp options. A hardwired power input is provided with all 30-Amp PDU's. Power cords for 20-Amp PDU's are available separately.

SWITCHED PDU'S
POWER DISTRIBUTION UNITS

[Remote Management]

[Power Up Sequencing]

[Network Input Current Monitoring]

[Environmental Monitoring]

Leviton's Switched Power Distribution Units include all the features of Metered PDU's, plus the additional functions detailed below, to provide enhanced intelligence for monitoring and control of data center power outlets. These capabilities address many IT power management problems including unauthorized use of power outlets, equipment lock-up, in-rush current, overloaded circuits and remote access to power outlets.

Remote Management & Reboot - As simple as point and click, Leviton's Switched PDU allows you to remotely reboot a locked-up device, providing complete configuration and control of the remote unit via the HTML interface. HTTPS-enabled Ethernet connections and a command line interface for serial and Telnet connections provide immediate access for simultaneous multiple users managing multiple locations.

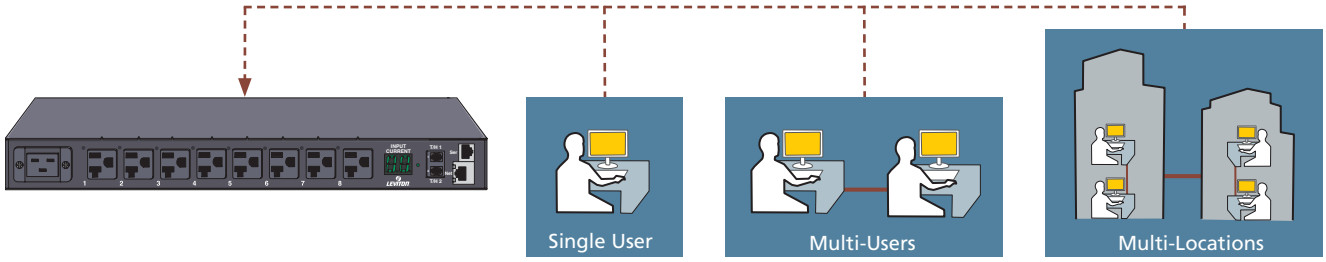
Power Up Sequencing - The power sequence feature controls the interval in which equipment is powered up or down to avoid cumulative in-rush current. Unlike many "similar" PDU's, sequencing applies to both initial power-up and user-commanded actions, and in the event of recovery, defaults to the most recent configuration.

Network Input Current Monitoring - Input Current Monitoring with IP access eliminates the guesswork of determining available power draw on circuits. This helps ensure appropriate equipment configuration and device density to make full use of capacity, while also assisting in planning and appropriately sizing future power circuit requirements. SNMP-based alerts indicate excess power draws.

Environmental Monitoring - Two external probes (sold separately) protect your IT and network hardware with cabinet-level environmental monitoring. SNMP-based alarms alert you when temperature and relative humidity vary from defined conditions.

Switched PDU Web Interface

The Switched PDU Web Interface provides remote configuration, monitoring and control of the unit, allowing customized access for individual users. All Switched PDU models support multi-user simultaneous session communication methods including HTTPS, HTTP, Telnet or SSHv2, SNMP-II, and single serial RS232 console access, making them ideal for co-location sites. Remote on, off, and reboot functions can be assigned to individual outlets, groups of outlets, or all outlets. Individual accounts may be limited in a variety of ways. Access may be restricted to a single user or extended to up to 120 users.

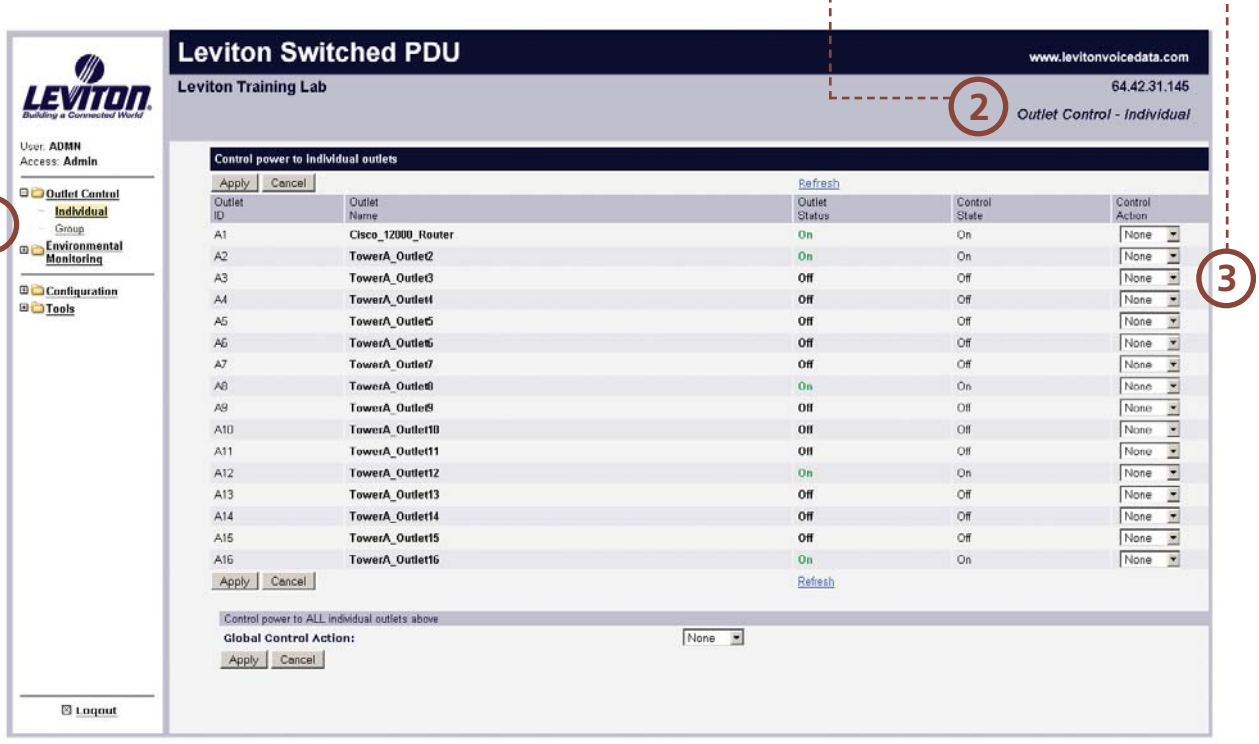


Accessible from a standard HTML web browser, the interface is constructed of three major components:

The Control Screen is used to display current data and allow changes to outlet states or system configuration.

The System Location Bar displays the location and IP address as well as the current Control Screen title.

The User/Navigation Bar displays the current user and privilege level per assigned access rights.



METERED VERTICAL POWER DISTRIBUTION UNITS (PDU'S)

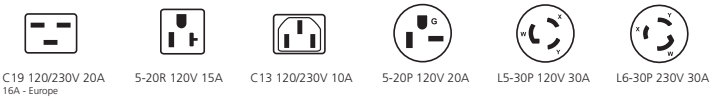
DIMENSIONS	POWER INPUTS	POWER OUPUTS	INPUT VOLTAGE	1 OR 3 PHASE	AMPERAGE	INPUT PLUG TYPE	OUTPUT RECEPTACLE	PART NO.
31.25" X 1.75" X 2.25"	1	12	110	1	20	C20	5-20R	MV121-1D1
31.25" X 1.75" X 2.25"	1	12	110	1	30*	L5-30	5-20R	MV121-1B1
31.25" X 1.75" X 2.25"	1	12	208	1	30*	L6-30	C13	MV122-1C2
54.0" X 1.75" X 2.25"	1	24	110	1	20	C20	5-20R	MV241-1D1
54.0" X 1.75" X 2.25"	1	24	110	1	30*	L5-30	5-20R	MV241-1B1
54.0" X 1.75" X 2.25"	1	24	208	1	30*	L6-30	C13	MV242-1C2
45.75" X 1.75" X 2.25"	1	21	208	3	20	L21-20	C13	MV213-1E2

METERED HORIZONTAL POWER DISTRIBUTION UNITS (PDU'S)

DIMENSIONS	POWER INPUTS	POWER OUPUTS	INPUT VOLTAGE	1 OR 3 PHASE	AMPERAGE	INPUT PLUG TYPE	OUTPUT RECEPTACLE	PART NO.
1.75" X 17.25" X 5"	1	10	110	1	20	C20	5-20R	MH101-1D1
1.75" X 17.25" X 5"	1	10	110	1	30*	L5-30	5-20R	MH101-1B1
1.75" X 17.25" X 5"	1	12	208	1	30*	L6-30	C13	MH122-1C2

ACCESSORIES

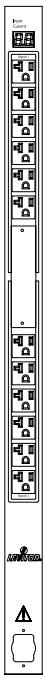
DESCRIPTION	PART NO.
Power Cord, 15/20A, C19 to L-620P, 10 ft.	PCORD-F10
Power Cord, 15/20A, C19 to 5-15P, 10 ft.	PCORD-G10
Power Cord, 15/20A, C19 to 5-20P, 10 ft.	PCORD-A10
Power Cord, 15/20A, C19 to L5-20P, 10 ft.	PCORD-H10



* All 30 amp PDU's include a hardwired power input cord
Other configurations available on request.

[MH101-1*1]

[MH122-1C2]



[MV121-1*1]

[MV122-1C2]

[MV213-1E2]

[MV241-1*1]

[MV242-1C2]

SWITCHED VERTICAL POWER DISTRIBUTION UNITS (PDU'S)

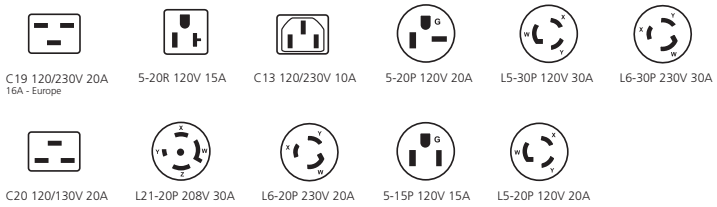
DIMENSIONS	POWER INPUTS	POWER OUPUTS	INPUT VOLTAGE	1 OR 3 PHASE	AMPERAGE	INPUT PLUG TYPE	OUTPUT PLUG TYPE	PART NO.
63.5" X 1.75" X 2.25"	1	16	110	1	20	C20	5-20R	SV161-1D1
63.5" X 1.75" X 2.25"	1	16	110	1	30*	L5-30	5-20R	SV161-1B1
63.5" X 1.75" X 2.25"	1	16	208	1	30*	L6-30	C13	SV162-1C2

SWITCHED HORIZONTAL POWER DISTRIBUTION UNITS (PDU'S)

DIMENSIONS	POWER INPUTS	POWER OUPUTS	INPUT VOLTAGE	1 OR 3 PHASE	AMPERAGE	INPUT PLUG TYPE	OUTPUT PLUG TYPE	PART NO.
1.75" X 17" X 7"	1	8	110	1	20	C20	5-20R	SH081-1D1
1.75" X 17" X 7"	1	8	208	1	30*	L6-30	C13	SH082-1C2
1.75" X 17" X 7"	1	8	110	1	30*	L5-30	5-20R	SH081-1B1

ACCESSORIES

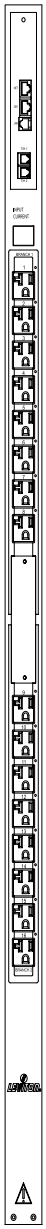
DESCRIPTION	PART NO.
Power Cord, 15/20A, C19 to L-620P, 10 ft.	PCORD-F10
Power Cord, 15/20A, C19 to 5-15P, 10 ft.	PCORD-G10
Power Cord, 15/20A, C19 to 5-20P, 10 ft.	PCORD-A10
Power Cord, 15/20A, C19 to L5-20P, 10 ft.	PCORD-H10
Temperature & Relative Humidity Probe, 10 ft.	TCORD-10



* All 30 amp PDU's include a hardwired power input cord
Other configurations available on request

[SH081-1*1]

[SH082-1C2]



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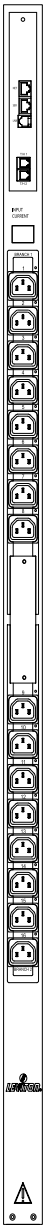

[SV162-1C2]

WE KNOW POWER MANAGEMENT EXCELLENCE IS CRITICAL TO YOU. THAT'S WHY WE DO EVERYTHING WE CAN TO BE SURE OUR PRODUCTS AND SERVICES WILL MEET AND EXCEED YOUR EVERY NEED.

COMPLETE CUSTOMER SERVICE | We believe service comes in many forms. With expert technical support, detailed product information, and a dedicated customer service team, we help our customers truly understand how and when to use our products in today's changing technology environment.

CONSISTENT QUALITY | We have a commitment to continuous improvement. To achieve that goal, our manufacturing and engineering functions are consistently monitored and perfected through the use of quality assurance tools such as Six Sigma quality improvement and compliance with ISO 9001-2000.

POWER QUALITY TEST FACILITY | We want to know our products will work for you every time in every installation. So we test all of our products in our lab, a rigorous environment designed to emulate real-world installations. If our products perform there for us, they'll perform anywhere for you.

LEVITON WARRANTIES | Leviton produces the highest quality products available and backs them with one of the strongest warranties in the industry.

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