Active Power
1.35 kW
Apparent Power
1.38 kVA
Power Factor
0.97

Active Energy
120527 Wh

PRODUCT CATALOG | NORTH AMERICA

RACK POWER DISTRIBUTION

Server Technology®

A brand of 🔲 legrand

ABOUT LEGRAND®

legrand® ®Legrand's Data, Power & Control division delivers an innovative, industry-leading portfolio of expertly engineered solutions that meet the ever-evolving needs of data centers and building network infrastructures.

The businesses that drive digital transformation trust us with their mission-critical operations because of the commitment to technological excellence established by our Ortronics, Raritan, Server Technology, Starline, Approved Networks, and ZPE Systems brands. We maintain the problem-solving approach of listening to customers and understanding their requirements before designing and building innovative solutions that deliver a competitive edge for you.

At Legrand, we are committed to developing sustainable solutions that ensure exceptional performance, reducing the environmental impact of our operations, and transforming how people live and work—more efficiently, comfortably, and safely. Sustainable solutions are also innovative solutions. And innovation is at the heart of how we fulfill the needs of our customers.

OVER
39,000+
EMPLOYEES
WORLDWIDE

FACILITIES IN OVER
90 COUNTRIES

PRODUCTS SOLD IN NEARLY
180 COUNTRIES

€8 BILLION
publicly traded company
(LGRVF)

ABOUT SERVER TECHNOLOGY®

Server Technology, a brand of Legrand, is leading the engineering and manufacturing of customer-driven, innovative, and exceptionally reliable power, access, and control solutions for monitoring and managing critical IT assets for continual availability.

Server Technology's power strategy experts are trusted to provide Rack PDU solutions for data centers worldwide, ranging from small technology startups to Fortune 100 powerhouses. Because power is all we do, the Server Technology brand is found in the best cloud and colocation providers, forward-thinking labs, and telecommunications operations.

Server Technology customers consistently rank us as providing the highest quality PDUs, the best customer support, and the most valuable innovation. We have thousands of PDU configurations to fit every data center's needs. At Server Technology, we pride ourselves on going the extra mile for customers. Whether it's our expert customer support staff talking you through technical needs or our vast library of product documentation, our goal is to help you Stay Powered, Be Supported, and Get Ahead.

WHY SERVER TECHNOLOGY?

Stay Powered

Reliable, Flexible, and Sustainable Power
Our power strategy experts have pioneered data center power solutions for 30 years

Ensuring Your PDU's Quality & Reliability
We test every PDU and outlet

Setting the Standard for Innovation
The most patents in the industry

Performance

Client Acclaimed Service
Customers consistently rank us as providing the best customer support

Delivering Flexibility
Largest PDU selection on the market

Technical Support
Technical support from Server Technology's power strategy experts

Flourishing

Ingenuity Driven Products
Turning breakthroughs into off-the-shelf solutions

Industry-Renowned Innovations
Multiple-awards for industry-leading innovations

Designed for Speed of Deployment
Optimizing our designs to allow faster installations

2020 -   **Data Centre PDU Innovation of the Year -** PRO3X PDU Solution

2019 -   **Data Center PDU Innovation of the Year -** High Density Outlet Technology (HDOT) Cx Rack Mount PDU

2018 -   **Data Centre PDU Product of the Year -** High Density Outlet Technology (HDOT) with Alternating Phase Outlets Rack PDU in Switched and Smart POPS

2016 -   **Data Centre PDU Product of the Year -** HDOT Rack Mount PDU in Switched and Smart POPS

2014 -   **Data Center Dynamics North America Innovator Finalist -** HDOT

LIMITLESS POSSIBILITIES, ONE STANDARD PDU

Leaders in rack power distribution units for nearly 40 years, Server Technology Rack PDUs are the choice for Fortune 100 companies to technology startups. Our passion is to push the boundaries of Rack PDU technology and deliver groundbreaking innovations in hardware and intelligence.

PRO4X

The all-new PRO4X, launched in 2023, builds on our existing intelligent rack power distribution generations, technology, and pioneering outlet designs with groundbreaking intelligence features. It integrates 30+ years of customer-driven technology, experience, and innovation to meet your demanding data center specifications for efficient, robust performance.

PRO3X

The PRO3X is the first hybrid PDU featuring flexible HDOT/HDOT Cx outlets, a new RamLock mechanical locking mechanism, a multi-color LCD with a push-button interface, a fully hot-swappable onboard controller, the Xerus™ Technology Platform, and our high accuracy PIPS/POPS measurement circuitry all combined into a small form factor.

PRO2®

The PRO2 features a flexible hardware platform with more outlets, a faster processor, improved firmware, and increased security and redundancy. With PRO2 you can maintain the high availability of your data, stay informed of rising loads, and be proactive in your power supply management.

PER OUTLET POWER SENSING (POPS®)

POPS is the foremost outlet power measurement technology for data center device-level power monitoring. POPS prepares Smart and Switched PDUs for environments that require high-density computing. A POPS-equipped PDU offers device-level output measurement capability, allowing you to track and manage the cabinet's servers, applications, and IT equipment. With the ability to measure, monitor, and report power down to the rack or outlet level, this solution follows The Green Grid's recommendations for acquiring the most accurate power monitoring data.

WITH A POPS-EQUIPPED SMART OR SWITCHED PDU YOU CAN:

- Monitor SNMP traps, email alerts, configuration changes, system events, load, temperature, humidity, and much more
- Group outlets across linked PDUs
- Configure many aspects of the rack PDU remotely
- Ping an IP address to see if equipment is responding
- Receive alerts for power, control state, current, power factor, harmonic distortion, and many more
- Use open APIs to share device-level power data with other systems in your infrastructure
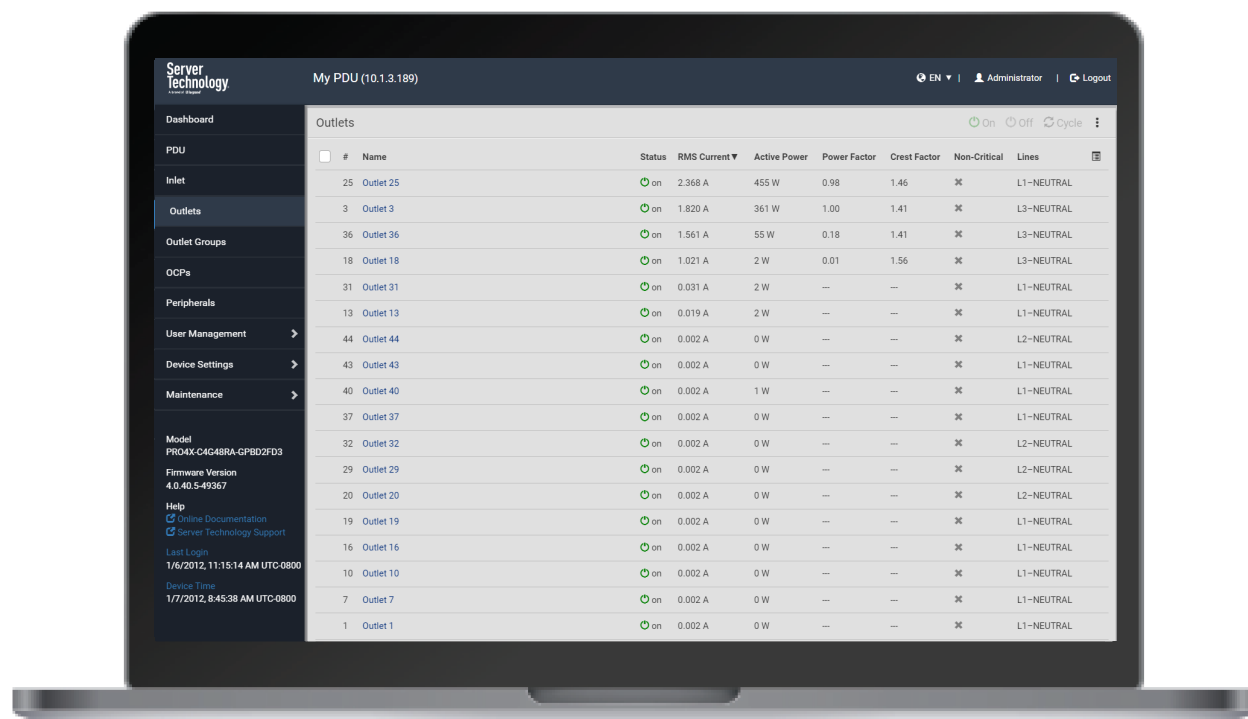
PER INLET POWER SENSING (PIPS®)

PIPS is the premier inlet power measurement technology for data center rack-level power monitoring. PIPS technology extends PDU-level power monitoring with higher accuracy and lower cost monitoring of each power circuit attached to a PDU. PIPS enhances Smart and Switched PDUs with the market's most accurate and complete power metrics. Expect the same quality and functionality of an intelligent PDU but with increased data to help you make critical decisions regarding your facility.

WITH A PIPS-EQUIPPED SMART OR SWITCHED PDU YOU CAN:

- Quickly confirm rack power and environmental conditions as well as monitor metrics regarding current, voltage, power, apparent power, crest factor, reactance, power factor, accumulated energy, voltage dip and swell, and much more.
- Configure outlets, alarms, thresholds, grouping, permissions, email alerts, security settings, communication settings, and SNMP traps
- Use open APIs to share device-level power data with other systems in your infrastructure
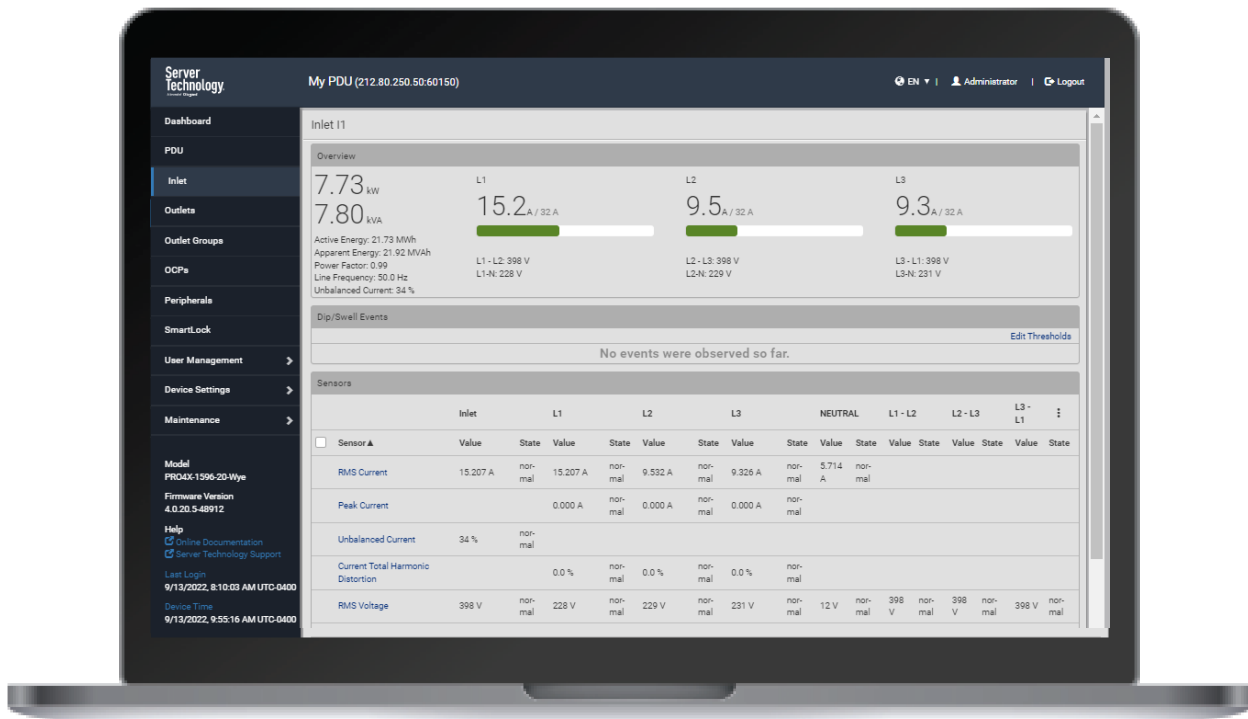
POWER QUALITY MEASUREMENTS

The PRO4X's rack-based power quality measurements allow you to proactively troubleshoot sources of power issues like power leaks, distortions, or variations before they become more significant problems.

The PRO4X measures the following types of power quality measurements at the PDU's inlet and/or outlet:

Power Quality Metric	Measurement	Inlet Measurement	Outlet Measurement
Voltage, RMS	V_{RMS}	Y	Y
Voltage, Neutral	V_N	Y	N
Voltage, Harmonic Distortion	V_{THD}	Y	Y
Voltage, Dip & Swell	V_{DIP} V_{SWL}	Y	N
RMS Current	A_{RMS}	Y	Y
Current, Neutral	A_N	Y	N
Current, Inrush	A_{INRUSH}	N	Y
Current, Harmonic Distortion	A_{THD}	Y	Y
Crest Factor	CF	Y	Y
Watts	W	Y	Y
Volt-Amps-Apparent Power	VA	Y	Y
Volt-Amps-Reactive Power	VAR	Y	Y
Power Factor, True	PF_{true}	Y	Y
Power Factor, Displacement	PF_{disp}	Y	Y
Power Factor, Distortion	PF_{dist}	Y	Y
Energy	kWh, kVA	Y	Y

Metrics with Y (yes) in the Outlet Measurement column are only available on units equipped with outlet level monitoring.

PDU FAMILIES

SWITCHED POPS PDUs

Switched POPS PDUs are our most feature-rich family and offer both outlet control and device-level output measurement capabilities, allowing you to measure, monitor, control, and report power down to the outlet/device level. These PDUs combine highly accurate, outlet-level power measurement technology for data center device-level power monitoring, alerting, and on/off/reboot control. With outlet control, gain features like power-up sequencing and smart load shedding.

SWITCHED PDUs

Switched PDUs offer device-level output measurement capabilities, allowing you to measure, monitor, control, and report power down to the device level. Switched PDUs also feature outlet lock-out, power-up sequencing to reduce power-up inrushes and optional smart load shedding. These PDUs feature Smart PDU abilities for network access to power and environmental information and give outlet control for the reboot of locked-up devices.

SMART POPS PDUs

Smart PDUs offer device-level output measurement capabilities, allowing you to measure, monitor, and report power down to the device level. Smart PDUs feature branch circuit protection and are available in various voltages and amperages. Available in both single- and three-phase.

SMART PDUs

Smart PDUs offer device-level output measurement capabilities, allowing you to measure, monitor, and report power down to the device level. Smart PDUs feature branch circuit protection and are available in various voltages and amperages. Available in both single- and three-phase.

METERED PDUs

Metered PDUs feature Auto-flip current displays to help prevent overloads and simplify three-phase load balancing in high-density cabinets. Optional flexible mounting allows you to mount the PDU in standard or custom brackets. If you're looking for reliable power distribution for all the devices in your equipment cabinet, Metered PDUs might be the perfect affordable solution.

BASIC PDUs

Basic PDUs provide reliable power distribution for the devices in your equipment cabinet, are UL Listed, and meet IEC data center requirements. Basic PDUs are available in single-phase 110-120V or 208-240V power distribution with 20A or 30A options and 3-Phase power distribution with 20A and 30A options.

-48VDC PDUs

-48VDC PDUs control cabinet equipment at remote locations, including colocation facilities and network ops centers, allowing you to reboot locked-up remote servers around the clock. Most models have two DC power input feeds that support dual power networking appliances. Power is distributed to multiple outputs that are individually protected by a fuse or breaker. Each output has current monitoring, allowing you to remotely monitor capacity, utilization, and set up alerts.

FEATURE HIGHLIGHTS

HDOT®

Server Technology PDUs with High Density Outlet Technology (HDOT) have the highest outlet count in the smallest form factor and are the most popular on the market. Available in POPS, Switched, and Smart PDUs, HDOT solves today's top data center challenges: Power Density, Capacity Planning, and Remote Power Management.
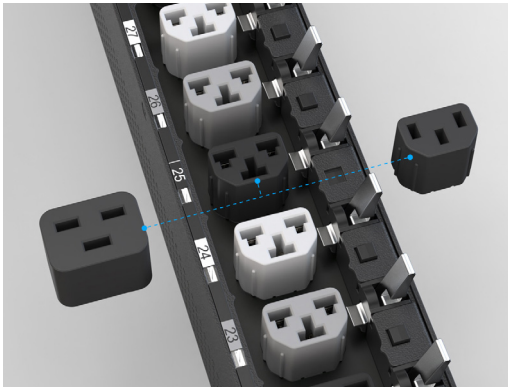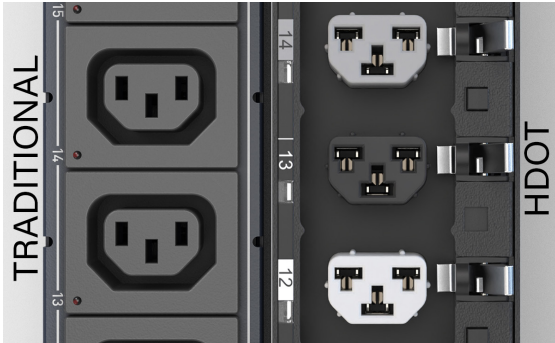
HDOT CX®

Server Technology's award-winning and patented HDOT technology is enhanced with our Cx Outlet. The Cx outlet is a hybrid of IEC C13 and C19 outlets and accommodates both C20 and C14 power cables in a single outlet. This innovative design reduces the complexity of the PDU selection process while lowering end costs. With HDOT Cx, you won't have to buy a new set of PDUs when equipment changes.

ALTERNATING PHASE TECHNOLOGY

Alternating phase outlets alternate the phased power on a per-outlet basis instead of a per-branch basis-allowing for shorter cords, faster installation, and much easier load balancing for 3-phase rackmount PDUs. Shorter cords mean less mass, making them less likely to come unplugged during the transport of the assembled rack or get in the way when servicing the cabinet. Plus, fewer cables blocking airflow help keep your equipment cool and improve efficiency.
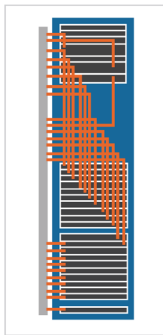
No Alternating Phase   Alternating Phase
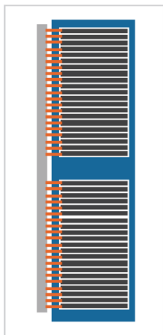
CHOOSE THE RIGHT PDU

PDU FAMILY	Branch Circuit Protection	Input Power Monitoring	Individual Outlet Control	Per Outlet Power Monitoring	Enviromental Monitoring	Access, Security & Communications
Switched POPS® PDU	✓	✓	✓	✓	✓	✓
Smart POPS PDU	✓	✓		✓	✓	✓
Switched PDU	✓	✓	✓		✓	✓
Smart PDU	✓	✓			✓	✓
Metered PDU	✓	* ✓				
Basic PDU	✓					

*Local input current monitoring only

POPS (Per Outlet Power Sensing)

Please contact a **SERVER TECHNOLOGY POWER EXPERT** for availability.

PDU FEATURES

As a leader in product innovation, Server Technology holds many vital patents for providing power in Zero-U and horizontal PDU configurations compatible with today's rack and dense compute infrastructure requirements. Server Technology's advanced features help reduce downtime, facilitate capacity planning, improve energy efficiency, and drive efficiency.

Not all features are listed, and some features are unavailable on select models. Please contact your Server Technology Power Expert for more information.

HDOT (HIGH DENSITY OUTLET TECHNOLOGY)
The highest outlet density available in a network-connected PDU meets IEC C13 and C19 specifications, plus high native retention and UL94V-0 flame rating.

HDOT CX OUTLETS
The Cx is the future-ready UL tested hybrid of a C13 and C19 outlet accommodating both C14 and C20 plugs.

ALTERNATING PHASE TECHNOLOGY
Evenly distributes multiple phases of power to each outlet for simplified load balancing, reduced cord lengths, and better airflow.

POPS (PER OUTLET POWER SENSING)
Monitor Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor, Power Factor, and Energy per outlet.

OUTLET CONTROL
Cycle power to individual outlets or groups of outlets to reboot servers or power off unused receptacles.

RAMLOCK LOCKING OUTLETS
A mechanical locking mechanism built to secure the broadest range of C14 and C20 plugs in place.

R/G/B LED OUTLET INDICATORS
RGB LEDs identify an outlet's on/off state, if it's above/below a certain power threshold, or if it's suspected of a power measurement irregularity.

BRANCH CIRCUIT PROTECTION
This PDU meets the UL and IEC 62368-1 requirement for branch circuit protection through UL 489 rated magnetic-hydraulic circuit breakers or UL 248 fuses.

45-DEGREE ANGLED INFEED
The angled infeed improves accessibility and provides infeed strain relief. Its bend radius is suitable with 60A rated cords.

PDU FEATURES

PIPS (PER INLET POWER SENSING)
Monitors Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor, Power Factor, & Energy per inlet.

ADVANCED POWER MONITORING
Gives real-time insight into power consumption and energy efficiency to improve performance and avoid power quality issues.

BRANCH CURRENT MONITORING
Monitors current at each breaker branch and provides SNMP-based alerts and emails on high usage that risks a tripped circuit.

POWER QUALITY MEASUREMENTS
Monitor and alert on the power feeding the PDU for harmonics, voltage dips and swells, crest factor, and more at the outlet or load.

TOTAL HARMONIC DISTORTION
Monitor harmonic events, voltage dips and swells, crest factor, and more on the power feeding the PDU or the power distributed to the PDU's outlets or load.

CIRCUIT BREAKER TRIP FORENSICS
With enhanced circuit breaker trip forensics, identify the specific outlet and device that caused the trip, saving time when investigating and resolving issues.

WAVEFORM CAPTURE
Capture voltage and current waveforms automatically or on demand.

HOT SWAPPABLE CONTROLLER
Offers industrial-grade reliability, user-configurable firmware, disaster recovery support, and hot-swappable capability for maintenance or replacement without powering down connected equipment.

MULTI-COLOR LCD
An easy-to-read display provides a local indication of power usage, alerts, and alarms.

AUTO-FLIP DISPLAY
Auto-flip display ensures you have the right components in the right visual orientation no matter the PDU's mounting position.

DUAL NETWORK CONNECTIONS
A modern Gigabit Ethernet port, backed up by a second network connection port, ensures monitoring reliability and allows insights to be shared.

MULTI-UNIT LINKING & CASCADING
Cascade 32 PDUs from one ethernet port using bridging mode, or save IP addresses using a single IP address with port forwarding. Use the Link feature for logical connectivity of up to 8 PDUs.

PDU FEATURES

ENVIRONMENTAL MONITORING
Supports daisy-chained DX2-series SmartSensors, each able to send SNMP-based alerts and email notifications.

USB MASS CONFIGURATION
A quick and easy solution for PDU configuration and setup.

IP ACCESS, SECURITY & COMMUNICATIONS
Web, SSH, Telnet, SNMPv2c & v3, RS-232 serial, 10/100/1000 Base T-Ethernet, LDAP(S), TACACS+, RADIUS, DHCP, and SMTP/email.

NETWORK MONITORING
Gain access to valuable data through connections including HTTP(S), SSH, Telnet, SNMP, (S)FTP, SMTP, Syslog, LDAP(S), and more.

ADVANCED ALERTING AND INTELLIGENCE
Billing-grade accurate monitoring of user-defined thresholds ensures potential failures are identified in advance. Real-time alarms notify you of possible risk conditions.

INTEROPERABILITY
Built on the Xerus Technology Platform, Intelligent PDUs provide an open API that interoperates with third-party software such as DCIM or BMS.

FLEXIBLE MOUNTING
Includes standard button mounts along with provisions for custom mounting brackets.

HIGH-TEMPERATURE RATING
This product has been tested and approved for safe and reliable operation in 60°C (140°F) environments.

COLOR-CODED OPTIONS
Select from six colors to designate PDU circuits in the data center—black, white, red, green, blue, and yellow.

Learn how the renowned power and revolutionary intelligence of the PRO4X can help you anticipate and meet your rack power challenges. Visit **SERVERTECH.COM/PRO4X**

POWER CORDS AND ACCESSORIES

20A PLUGS and CORDS

Model	PTCORD-L1	PTCORD-L5	PTCORD-L6	PTCORD-L7	HARD-WIRED	HARD-WIRED
Outlets	L6-20P to C19	5-15P to C19	5-20P to C19	L5-20P to C19	NEMA L15-20P	NEMA L21-20P
Voltage	208-240V	100-120V	100-120V	100-120V	3-Phase 208V, Delta	3-Phase 208V, Wye
Amps	20A	15A	20A	20A	20A	20A
Length	10' | 3m	10' | 3m	10' | 3m	10' | 3m	10' | 3m	10' | 3m
Profile						

30A PLUGS and CORDS

Model	HARD-WIRED	HARD-WIRED	HARD-WIRED	HARD-WIRED	HARD-WIRED
Outlets	NEMA L5-30P	NEMA L6-30P	NEMA L15-30P	NEMA L21-30P	NEMA L22-30P
Voltage	100-120V	208-240V	3-Phase 208V, Delta	3-Phase 208V, Wye	277/480V, Wye
Amps	30A	30A	30A	30A	30A
Length	10' | 3m	10' | 3m	10' | 3m	10' | 3m	10' | 3m
Profile					

50A and 60A PLUGS and CORDS

| Model	HARD-WIRED	HARD-WIRED	HARD-WIRED
Outlets	CS8365C	IEC 60309 (4pin, 9hr)	IEC 60309 (5pin, 9hr)
Voltage	3-Phase 208-240V, Delta	3-Phase 208-240V, Delta	3-Phase 208V, Wye
Amps	50A	60A	60A
Length	Varies Based on Model	Varies Based on Model	Varies Based on Model
Profile			

ACCESSORY OPTIONS

| Model	DX2 SmartSensors	EMTH-2-10	EMCU-1-1C	KIT-SUS-01	KIT-PRO2LINK-01D
Desc	Environmental Monitoring, Asset Location, Physical Access, and other Monitoring and Security Sensors.	Temperature & Humidity Probes	Environmental Monitoring Control Unit	StartUp Stick	Multi-Link Module
Product Series	PRO3X, PRO4X	PRO1, PRO2	PRO1, PRO2	PRO1, PRO2	PRO1, PRO2
Function	Available sensors for the PRO3X and PRO4X PDUs	Combination probe measures cabinet temperature & humidity	Supports additional 2 temp/humidity, 1 water & 4 dry contact closure door sensors	Easy solution to PDU configuration, start up in 5 seconds	Add up to 3 Expansion PDUs to one Master to share one IP address
Profile					
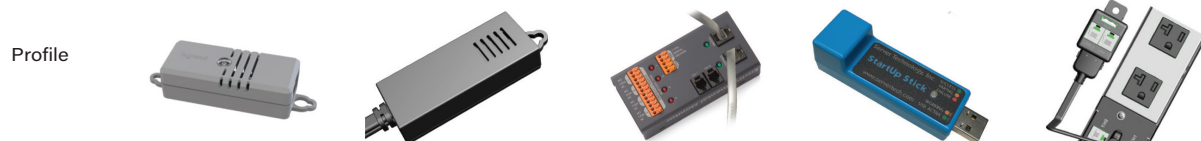
WWW.SERVERTECH.COM

RACK PDU SELECTOR

Browse hundreds of PDU configurations at **servertech.com/product-selector**
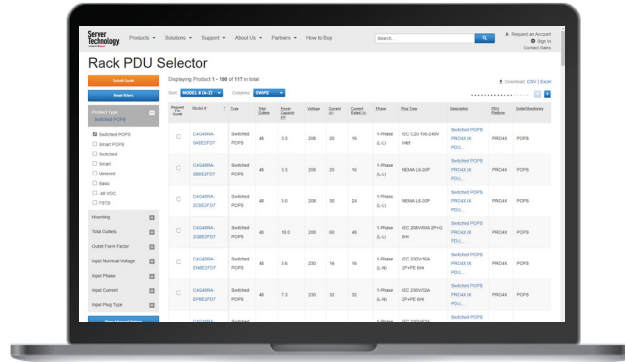
The Rack PDU Selector allows you to filter type, mounting, outlets, voltage, current, phase and plug type.
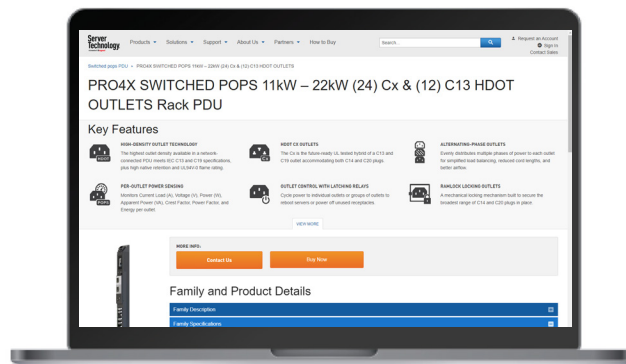
The product family page will show you all of the specifications and features for that product family.
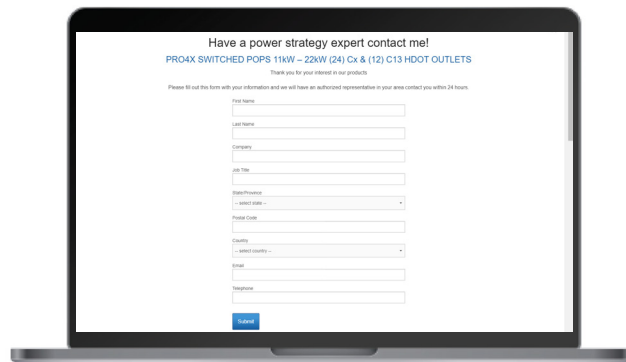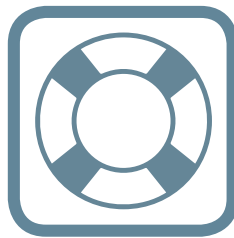

An authorized representative will contact you.

FOR MORE INFORMATION ON SERVER TECHNOLOGY PDUS
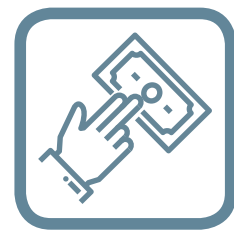
RACK PDU SELECTOR
Quickly find your PDU
servertech.com/product-selector

SPEAK TO A POWER EXPERT
Discuss product configurations
servertech.com/about-us/contact-us

HOW TO BUY
Tools to simplify the
PDU buying process
servertech.com/how-to-buy

Server Technology
A brand of **legrand**