GENXTRA
DATA CENTER SOLUTIONS

POWER DISTRIBUTION UNITS

SMART PDUs - METERED - METERED & SWITCHED BY OUTLET - RACK MOUNTABLE

RACK MOUNT
ZERO U VERTICAL
CUSTOM DESIGN BUILD

Genxtra Communications

www.genxtra.net

GENXTRA
DATA CENTER SOLUTIONS

INTEGRATED CABINETS
POWER DISTRIBUTION UNITS
FIBER OPTICS
UPS

Intelligent Power Distribution Units

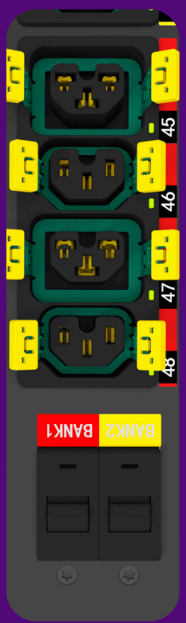
Meet Genxtra Communications portfolio of advanced intelligent Power Distribution Units. These fully manageable accessories have embedded management for real-time remote monitoring of connected loads. Stay informed about power consumption and make data-driven decisions to optimize efficiency. With user-defined alarms, potential circuit overloads are detected in advance, allowing you to take preventive measures and avert critical IT failures. Unlock the power of seamless integration, real-time monitoring, and proactive protection for your critical IT environment.

Rack Mountable Smart PDUs

Custom configure and seamlessly integrate Genxtra Rack Mountable PDUs with our family of data center cabinets and racks.

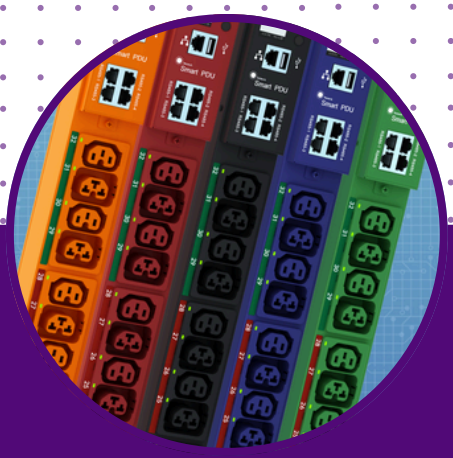
Smart Sensor Visability

Support plug-and-play smart sensors, enabling connectivity to a wide range of sensors, including temperature, humidity, airflow, vibration, and up to 32 sensor functionalities.



Feature Rich Budget Friendly

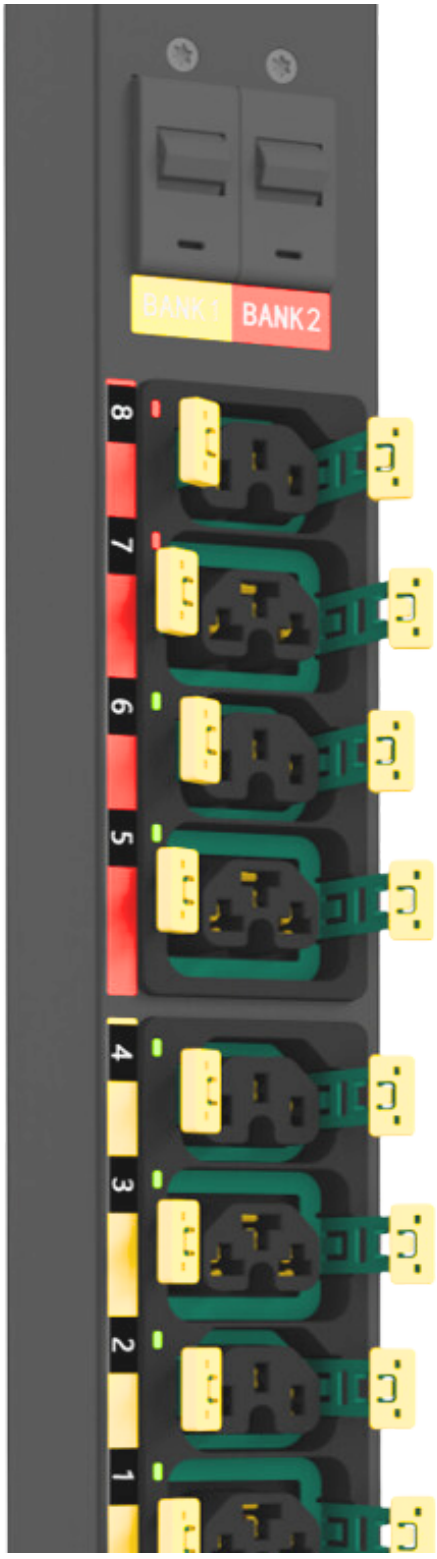
Multiple locking IEC sockets including socket color management.
Remote switching per outlet with accurate measurement of embedded operating system.
Full Interoperability with control platforms.



Interlinked PDU Power Sharing

Genxtra smart PDUs with power sharing ensures network access through the back up power supply provided by the main link unit when the main unit loses power.

With Genxtra switched rack PDUs, users may cycle power to individual outlets or groups of outlets to reboot servers. Or, power off unused outlets reducing energy consumption, improving energy efficiency, and ultimately achieving better operational uptime.



Branch Circuit Protection

The PDU meets the UL and IEC 62368 requirement for branch circuit protection through use of UL489 rated magnetic-hydraulic circuit breakers.

LED Outlet Indicator

PDU outlets can be monitored through multi-color LED indicator lights. These indicator lights display the status of each outlet, as well as the power threshold of each outlet.

Plug Locking Safety

By utilizing anti-unplugging design, even standard plugs can be securely attached to the socket, minimizing the risk of power loss due to loose connections.

Branch Circuit Color-Codes

Each branch is color-coded to facilitate quicker and more intuitive identification of potential unequal power distribution and contributes to maintaining the integrity of the power supply to sensitive electronic equipment.

Advanced Outlet

Like its NEMA counterpart the 5-20P, the C39 outlet allows for both 15- and 20-amp inlets, allowing both C14 and C20 plugs to connect into a singular outlet. This flexibility allows you to swap out equipment without having the inconvenience of reordering a new rack PDU to meet specific outlet count requirements.

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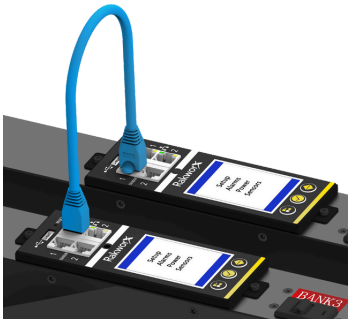
PoE Power Supply

Power sharing ensures network access through the back up power supply provided by the main link unit when the main unit loses power. The implementation of PoE power delivery supports continuous operation and reliability of the network infrastructure, even in the event of a power outage in one PDU. This allows power to be sourced from an alternate PDU, enabling uninterrupted power for continuous operation of the network.



USB Port Flexibility

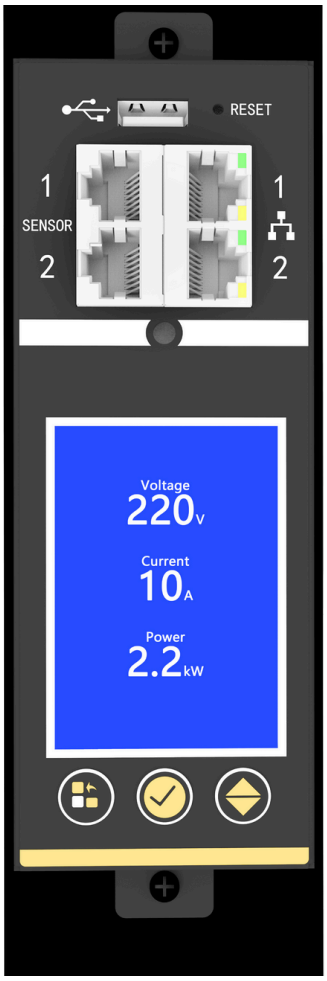
USB port supports the connection of mobile devices and facilitates large-scale firmware updates.

10/100/1000 Ethernet Ports

Support connectivity with network infrastructure. In bridge mode, it allows for physical cascading of up to 32 PDUs under a single Ethernet port, or alternatively, using port forwarding, it conserves IP addresses by utilizing a single IP address. The linking feature enables connection of up to 8 PDUs, enabling more efficient device management and control.

Sensor Ports

Support plug-and-play smart sensors, enabling connectivity to a wide range of sensors, including temperature, humidity, airflow, vibration, and up to 32 sensor functionalities



Hot-Swap Technology

Hot-Swap communication modules without power interruption. Minimizing repair time and maintenance disruptions. This technology ensures that critical systems stay online, maintaining overall productivity, and reducing the risk of breeching service level agreements.

Full Color Large Displays

Visual data information regarding power usage, socket status, and critical warnings are easy to interpret with our full color displays. Easy visual management preventing costly downtime caused by house circuit overloads.

SALES AND SERVICE
949-842-8450

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Innovation and a Proven Performer

High Temperature Rating

Genxtra PDU's are tested and approved for safe and reliable operation in 140℉（60℃) data center environments, extending the lifespan of critical equipment and reducing the risk of failure under thermal stress.

Ultra Slim Design

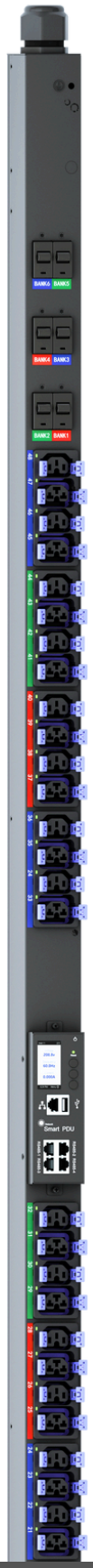
The slim 50mm thickness design eases server deployment, enhances airflow management, and promotes efficient heat exchange for optimal operating temperatures, ensuring sustained equipment performance and reliability.

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. Color management simplifies the management and troubleshooting of power distribution units, allowing for quick identification and response to potential issues. It also streamlines power management in dynamic data center environments.

Auto-Flip Current Display

Colorful large-screen display, capable of self-rotation, providing intuitive visualization of current, voltage, and other conditions.



Multi-Monitoring Function

Integration of multiple sensor detection capabilities, including temperature, humidity and more.

Hot-Hwap Technology

The communication module can be replaced without power interruption.

Networking Monitoring

Gain access to valuable data through connections including HTTP(S), SSH, SNMP and more.

Branch Circuit Monitoring

Each individual branch circuit can achieve a measurement accuracy of 1% for current, voltage, and other parameters.

PoE Power Supply

It can be powered through Power over Ethernet (PoE), allowing for communication even in the event of a PDU power outage.

Branch Circuit Alarm

Monitor the branch current of each circuit breaker and transmit monitoring alarms via SNMP.

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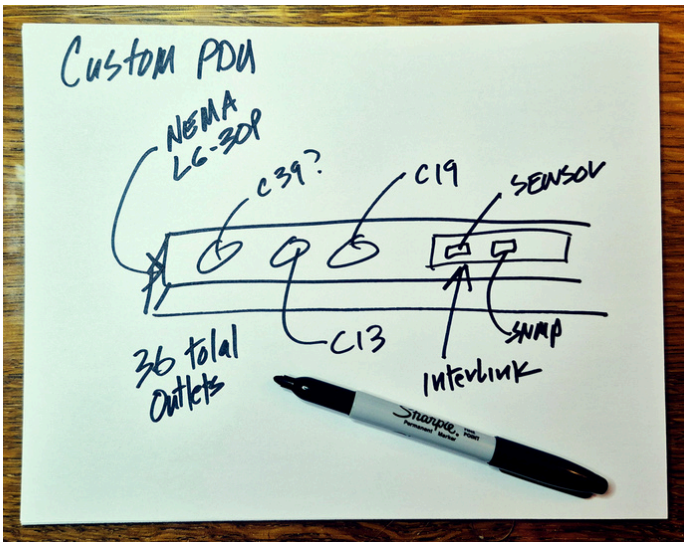
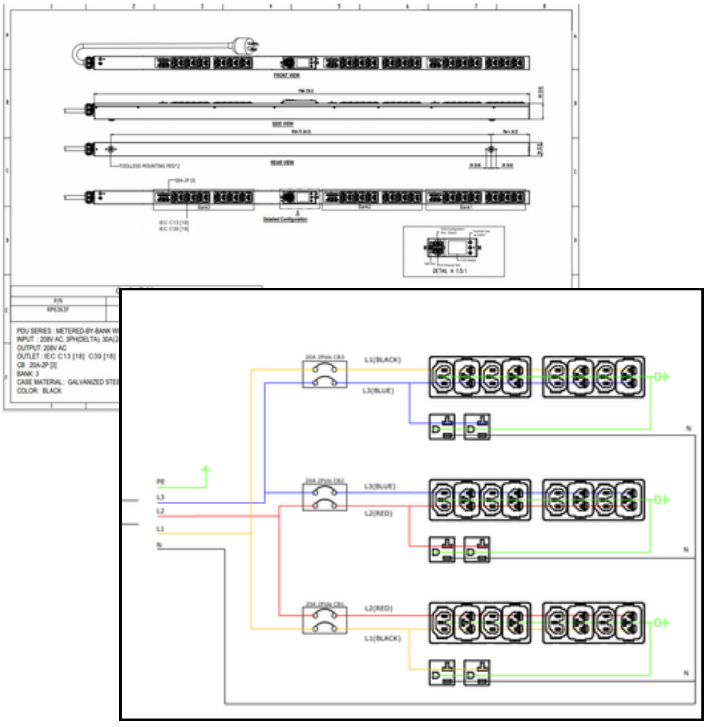
NEED A CUSTOM PDU? GENXTRA SPECIALIZES IN ENGINEERED SOLUTIONS.



FROM IDEATION

For your custom data center PDU, we can help define your preliminary requirements. Whether you have hand-drawn sketches or whiteboard concepts, we'll transform them into a detailed engineering submittal.



ENGINEERING SUBMITTALS

Next, the Genxtra design team creates detailed engineering schematics for your review and approval, ensuring the final design of your custom data center PDU meets your exact specifications.

PROTOYPE TO FINISHED PRODUCT

PDU Capabilities - GP8000, GP7000, GP6000 and GP5000 Series

Discover the next level of power distribution functionality with Genxtra intelligent PDUs equipped with cutting-edge features. From advanced monitoring and analytics for real-time power consumption insights to intelligent load balancing to optimize energy distribution. Create a resilient power infrastructure with multilink support and enhanced redundancy for critical applications, ensuring continuous power availability. Hot swap modules enable hassle-free maintenance.

FUNCTION	DESCRIPTION	METERED BY OUTLET W/OUTLET SWITCHING	METERED BY BRANCH OUTLET	METERED BY INPUT OUTLET SWITCHING	METERED BY INPUT
		GP8XXX SERIES	GP7XXX SERIES	GP6XXX SERIES	GP5XXX SERIES
Outlet level power measurements (V,A,VA,kWh,PF)	The values detected by PDU include voltage, current, visual load power, energy, and power factor	✓	✓	✗	✗
Group level power measurements (V,A,VA,kWh,PF)	The values detected by PDU include voltage, current, visual load power, energy, and power factor	✓	✓	✓	✓
Outlet level output active power, reactive power, power factor, power measurement	The output of the socket includes active power, reactive power, power factor, power measurement	✓	✓	✗	✗
Group level output active power, reactive power, power factor, power measurement	The output of the socket includes active power, reactive power, power factor, power measurement	✓	✓	✓	✓
Remote On/Off power control by individual outlet	After the PDU is powered on, the socket can be powered on or off via web or SNMP remote control	✓	✗	✓	✗
Circuit breaker on/off detection	After the PDU is energized, if the circuit breaker is disconnected somewhere, the light in the socket controlled	✓	✓	✓	✓
Power up in sequence	The circuit breaker goes out The PDU is started sequentially through the electrical rear socket	✓	✗	✓	✗
Over voltage over current alarm	If the voltage and current exceed a preset threshold, the PDU will send an alarm	✓	✓	✓	✓
User customizable alarm thresholds & notifications	Users can set alarms and critical values for voltage and current according to their needs	✓	✓	✓	✓
Remote network communication and control	Users can remotely view and control PDUs through http/https, SSH, SNMP, RS-232 communication	✓	✓	✓	✓
IP modification	You can modify the dynamic IP of the PDU to a static IP	✓	✓	✓	✓
Sensor	Sensors are connected to NMC's RS485-1, 3, and 4 to check temperature and humidity	✓	✓	✓	✓
Log management	The startup and alarm records of the PDU can be viewed through the web-log	✓	✓	✓	✓
Display Interface	The working status and basic information of the PDU can be viewed through the OLED screen	✓	✓	✓	✓
Outlet type	The socket type of the PDU, including C13, C19, etc.	✓	✓	✓	✓
Branch circuit protection	The branch circuits of PDUs are protected by circuit breakers with UL approval	✓	✓	✓	✓
Installation method	Includes standard push-button mounting as well as provisions for custom mounting brackets	✓	✓	✓	✓

Advanced C39 iPDU

MODEL NUMBER	▲/Y	FACTOR	DESCRIPTION	LINE CURRENT (A)	PHASE CURRENT (A)	LINE VOLTAGE	PHASE VOLTAGE	INPUT CONNECTION	VOLTAGE	C13	C19	5-20R
AP8096	▲ (DELTA)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC 60309 60A 3P+E 4P9H	208	18	x	18
AP8105	(DELTA)	0U	208V, 60A 17.3kV, 50/60Hz	30 (24 Derated)	30 (24 Derated)	208	208	NEMA L21-30P	208	12	X	12
AP8112	▲ (DELTA)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC 60309 60A 3P+E 4P9H	208	12	X	12
AP8116	▲Y (WYE)	0U	208V, 40A 11.5kV, 50/60Hz	40 (32 Derated)	23 (18 Derated)	120	120	IEC 60309 60A 3P+E 5P9H	120	12	X	12
AP8117	Y (WYE)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	120	120	IEC 60309 60A 3P+N+PE 5P9H	120	18	X	18

AP8000 Series Metered by Outlet and Switched by Outlet PDU

MODEL NUMBER	▲/Y	FACTOR	DESCRIPTION	LINE CURRENT (A)	PHASE CURRENT (A)	INPUT CONNECTION	VOLTAGE	C13	C19	5-20R
AP8079	1 PHASE	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	NEMA L6-30P	200-240	20	4	X
AP8093	1 PHASE	1U	100-120V,15A 1.5-kVA,50/60Hz	15 (12 Derated)	15 (12 Derated)	NEMA 5-15P	100-120	X	X	8
AP8060	▲ (DELTA)	0U	208V,60A 17.2 kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	IEC309 5P6H, IP44 63A	208	36	12	X
AP8086	▲ (DELTA)	0U	208V,60A 17.2kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	NEMA L15-60P	208	24	12	X
AP8103	▲ (DELTA)	0U	208V 50A 16.6 kVA,50/60Hz	50 (40 Derated)	29 (24 Derated)	CS8365 50A 3P+PE	208	30	6	X
AP8104	▲ (DELTA)	0U	208V,60A 17.2 kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	IEC 60309 60A 3P+E 4P9H	208	30	6	X
AP8109	▲ (DELTA)	0U	208V 30A 17.2 kVA,50/60Hz	30 (24 Derated)	18 (14 Derated)	NEMA L21-30P	208	15	15	3

AP7000 Series Metered by Outlet PDU

MODEL NUMBER	▲/Y	FACTOR	DESCRIPTION	LINE CURRENT (A)	PHASE CURRENT (A)	INPUT CONNECTION	VOLTAGE	C13	C19	5-20R
AP7079	1 Phase	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	NEMA L6-30P	200-240	20	4	X
AP7093	1 Phase	1U	100-120V,15A 1.5-kVA,50/60Hz	15 (12 Derated)	15 (12 Derated)	NEMA 5-15P	100-120	X	X	8
AP7060	▲ (DELTA)	0U	208V,60A 17.2 kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	IEC309 5P6H, IP44 63A	208	36	12	X
AP7086	▲ (DELTA)	0U	208V,60A 17.2kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	NEMA L15-60P	240	24	12	X
AP7103	▲ (DELTA)	0U	208V 50A 16.6 kVA,50/60Hz	50 (40 Derated)	29 (24 Derated)	CS8365 50A 3P+PE	208	30	6	X
AP7104	▲ (DELTA)	0U	208V,60A 17.2 kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	IEC 60309 60A 3P+E 4P9H	208	30	6	X
AP7109	▲ (DELTA)	0U	208V 30A 17.2 kVA,50/60Hz	30 (24 Derated)	18 (14 Derated)	NEMA L21-30P	208	15	15	3

AP6000 Series Metered or Monitored by Bank and Switched by Outlet

MODEL NUMBER	▲/Y	FACTOR	DESCRIPTION	LINE CURRENT (A)	PHASE CURRENT (A)	INPUT CONNECTION	VOLTAGE	C13	C19	5-20R
AP6079	1 Phase	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	NEMA L6-30P	200-240	20	4	X
AP6093	1 Phase	1U	100-120V,15A 1.5-kVA,50/60Hz	15 (12 Derated)	15 (12 Derated)	NEMA 5-15P	100-120	X	X	8
AP6060	▲ (DELTA)	0U	208V,60A 17.2 kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	IEC309 5P6H, IP44 63A	208	36	12	X
AP6086	▲ (DELTA)	0U	208V,60A 17.2kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	NEMA L15-60P	240	24	12	X
AP6079	1 Phase	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	NEMA L6-30P	200-240	20	4	X
AP6093	1 Phase	1U	100-120V,15A 1.5-kVA,50/60Hz	15 (12 Derated)	15 (12 Derated)	NEMA 5-15P	100-120	X	X	8
AP6103	▲ (DELTA)	0U	208V 50A 16.6 kVA,50/60Hz	50 (40 Derated)	29 (24 Derated)	CS8365 50A 3P+PE	208	30	6	X
AP6104	▲ (DELTA)	0U	208V,60A 17.2 kVA,50/60Hz	60 (48 Derated)	35 (28 Derated)	IEC 60309 60A 3P+E 4P9H	208	30	6	X
AP6109	▲ (DELTA)	0U	208V 30A 17.2 kVA,50/60Hz	30 (24 Derated)	18 (14 Derated)	NEMA L21-30P	208	15	15	3

AP5000 Series Metered PDU

MODEL NUMBER	▲/Y	FACTOR	DESCRIPTION	LINE CURRENT (A)	PHASE CURRENT (A)	LINE VOLTAGE	PHASE VOLTAGE	INPUT CONNECTION	VOLTAGE	C13	C19	5-20R
AP5001	▲ (WYE)	0U	208V, 30A 8.6kV, 50/60Hz	30 (24 Derated)	18 (14 Derated)	208	208	NEMA L21-30P	208	36	6	2
AP5002	▲ (WYE)	0U	208V, 50A 14.4kV, 50/60Hz	50 (40 Derated)	29 (24 Derated)	208	208	CS8365	208	24	12	X
AP5007	▲ (Delta)	1U	208V, 30A 8.6kVA, 50/60Hz	30 (24 Derated)	18 (14 Derated)	208	208	NEMA L15-30P	208	X	6	X
AP5010	▲ (Delta)	1U	PDU-208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC60309 60A 4-Wire	208	X	6	X
AP5011	▲ (WYE)	0U	208V, 30A 8.6kV, 50/60Hz	30 (24 Derated)	18 (14 Derated)	208	208	NEMA L21-30P	208	18	6	6
AP5012	▲ (Delta)	0U	208V, 50A 14.4kV, 50/60Hz	50 (40 Derated)	29 (24 Derated)	208	208	CS8365 50A 4-Wire	208	30	6	X
AP5013	▲ (Delta)	0U	208V, 50A 14.4kV, 50/60Hz	50 (40 Derated)	29 (24 Derated)	208	208	CS8365 50A 4-Wire	208	18	6	X
AP5015	▲ (Delta)	0U	208V, 50A 14.4kV, 50/60Hz	50 (40 Derated)	29 (24 Derated)	208	208	CS8365 50A 4-Wire	208	12	12	X
AP5016	▲ (Delta)	0U	208V, 50A 14.4kV, 50/60Hz	50 (40 Derated)	29 (24 Derated)	208	208	CS8365 50A 4-Wire	208	36	12	X
AP5017	▲ (Delta)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC60309 60A 4-Wire	208	18	6	X
AP5018	▲ (Delta)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC60309 60A 4-Wire	208	12	12	X
AP5019	▲ (Delta)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC60309 60A 4-Wire	208	36	12	X

AP5000 Series Metered PDU - Continued

MODEL NUMBER	▲/Y	FACTOR	DESCRIPTION	LINE CURRENT (A)	PHASE CURRENT (A)	LINE VOLTAGE	PHASE VOLTAGE	INPUT CONNECTION	VOLTAGE	C13	C19	5-20R
AP5026	1 Phase	0U	200-240V,32A 6.4-7.4kVA,50/60Hz	32 (26 Derated)	32 (26 Derated)	200-240	200-240	IEC 60309 32A 3-Wire	200-240	20	4	X
AP5027	1 Phase	0U	200-240V,32A 6.4-7.4kVA,50/60Hz	32 (26 Derated)	32 (26 Derated)	200-240	200-240	IEC 60309 32A 3-Wire	200-240	36	6	X
AP5028	1 Phase	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	200-240	200-240	NEMA L6-30P	200-240	20	4	X
AP5029	1 Phase	1U	100-120V,20A 1.5-1.9kVA,50/60Hz	20 (16 Derated)	20 (16 Derated)	100-120	100-120	IIEC 60320 C20	100-120	X	X	8
AP5032	1 Phase	2U	100-120V,30A 2.4-2.9kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	100-120	100-120	NEMA L5-30P	100-120	X	X	16
AP5033	1 Phase	1U	200-240V,20A 3.2-3.3kVA,50/60Hz	20 (16 Derated)	20 (16 Derated)	200-240	200-240	IEC 60320 C20	200-240	12	X	X
AP5035	1 Phase	2U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	200-240	200-240	NEMA L6-30P	200-240	12	4	X
AP5036	1 Phase	1U	200-240V,50A 7.8-8.3kVA,50/60Hz	50 (40 Derated)	50 (40 Derated)	200-240	200-240	CS8265C	200-240	X	9	X
AP5037	1 Phase	0U	100-120V,20A 1.5-1.9kVA,50/60Hz	20 (16 Derated)	20 (16 Derated)	100-120	100-120	IEC 60320 C20	100-120	X	X	16
AP5040	1 Phase	0U	100-120V,30A 2.5-2.9kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	100-120	100-120	NEMA L5-30P	100-120	X	X	24
AP5041	1 Phase	0U	200-240V,20A 3.2-3.3kVA,50/60Hz	20 (16 Derated)	20 (16 Derated)	200-240	200-240	IEC 60320 C20	200-240	20	4	X
AP5042	1 Phase	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	200-240	200-240	NEMA L6-30P	200-240	32	6	X
AP5043	1 Phase	0U	200-240V,50A 7.8-8.3kVA,50/60Hz	50 (40 Derated)	50 (40 Derated)	200-240	200-240	CS8265C	200-240	30	6	X
AP5045	1 Phase	1U	200-240V,20A 3.2-3.8kVA,50/60Hz	20 (16 Derated)	20 (16 Derated)	200-240	200-240	IEC 60320 C20	200-240	12	X	X
AP5046	1 Phase	2U	200-240V,32A 6.4-7.4kVA,50/60Hz	32 (26 Derated)	32 (26 Derated)	200-240	200-240	IEC 60309 32A 3-Wire	200-240	12	4	X
AP5047	1 Phase	0U	200-240V,20A 3.2-3.8kVA,50/60Hz	20 (16 Derated)	20 (16 Derated)	200-240	200-240	IEC 60320 C20	200-240	20	4	X
AP5048	1 Phase	0U	200-240V,40A 6.4-7.4kVA,50/60Hz	40 (32 Derated)	40 (32 Derated)	200-240	200-240	IEC 60309 32A 3-Wire	200-240	28	6	X
AP5050	1 Phase	0U	200-240V,30A 4.8-5.0kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	200-240	200-240	NEMA L6-30P	200-240	36	6	X
AP5052	1 Phase	0U	100-120V,30A 2.5-2.9kVA,50/60Hz	30 (24 Derated)	30 (24 Derated)	100-120	100-120	NEMA L5-30P	100-120	X	X	27
AP5055	▲ (Delta)	1U	208V, 20A 5.76kV, 50/60Hz	20 (16 Derated)	12 (10 Derated)	208	208	NEMA L21-20P	208	8	X	X
AP5059	▲ (Delta)	0U	208V, 60A 17.3kV, 50/61Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC309 60A 3P+E	208	30	X	X
AP5065	▲ (Delta)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	NEMA L15-60P	240	24	12	X
AP5073	▲ (Delta)	0U	208V, 20A 5.76kV, 50/60Hz	20 (16 Derated)	12 (10 Derated)	208	208	NEMA L6-20P	208	20	4	X
AP5081	▲ (Delta)	0U	208V, 60A 17.3kV, 50/60Hz	60 (48 Derated)	35 (28 Derated)	208	208	IEC 60309, IP44 60A, 3P+PE,	208	30	12	X
AP5091	▲ (Delta)	0U	208V, 30A 8.6kV, 50/60Hz	30 (24 Derated)	18 (14 Derated)	208	208	NEMA L21-30P	208	24	3	6

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