

RELIABLE

APC NetShelter 9000 Series

- Switched Rack Power Distribution (PDU)

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Life Is 

APC[®]
by Schneider Electric



From the world's most trusted brand in PDUs

Comes a more reliable, intelligent, and faster to deploy PDU. Designed for data centers and remote edge computing environments that are experiencing rising power densities and that demand always "ON" IT infrastructure. IT devices in these environments need certainty and APC NetShelter 9000 Series Switched Rack PDUs provide that with features making them faster to deploy, enhance their reliability, and make them more manageable onsite or remotely anywhere in the world with EcoStruxure IT.

More reliable

- Higher temperature performance
- More secure power cord
- Long lasting design

More manageable

- More precise metering
- Faster ethernet connectivity
- Embedded APC Network Management Card 3 (NMC)

Faster to deploy

- Fast network setup with network port sharing
- Cableless install and setup with optional wireless connectivity
- Zero U toolless installation

Typical applications

- Cloud and Service Providers / Colocation
- Small, medium, large data centers
- Enterprise Edge Computing
- Finance / Insurance / Content Delivery Networks / Government

Key Features:

60°C High Temperature Performance

Industry first hybrid outlets (C13/C15 & C19/C21) provide true 60°C operating temperature for a PDU. Providing the ability to operate in a maximum ambient air temperature of 60°C (140°F) at full load increasing reliability and availability even in today's high density deployments. Other models allow up to 45°C (113°F).

EcoStruxure IT Ready

Seamless integration of one or many PDUs including alerts and control with EcoStruxure IT. Allows IT and data center professionals to monitor and manage all of their critical IT infrastructure on-premise, in the cloud, and at the edge from anywhere.



Product feature by series

| | AP7900 | AP8900 | APDU9000 |
|--|---------|---------|-----------|
| Design feature | | | |
| Ultralow-profile, space savign design | √ | √ | √ |
| Hydraulic-magnetic circuit breakers | √ | √ | √ |
| Ultralow-profile circuit breakers | | √* | √* |
| Locking IEC outlets when used with locking power cords (AP8700) | | √ | √ |
| High Retention outlets when used with standard power cords | | | √ |
| Outlet control | | | |
| Individual outlet remote power on/off control | √ | √ | √ |
| Outlet power sequencing with full user customization | √ | √ | √ |
| Outlet level grouping (multiple outlets in same or multiple units follow single command) | √ | √ | √ |
| User access control with assignable roles, access levels at device and outlet level | √ | √ | √ |
| Display and network management | | | |
| Full-featured network management capability via Web, SNMP, and Redfish | √ | √ | √ |
| Ethernet connectivity | 10/100 | 10/100 | Gigabit |
| Wireless connectivity (optional) | | | WiFi** |
| Local display | LED | LCD | Color LCD |
| Network port sharing | 0 | 4 | 32 |
| Local USB port for easy local firmware updates | | √ | √ |
| Metering capability | | | |
| 1% metering accuracy | | | √ |
| Active current measurements (amps) | √ | √ | √ |
| Active power measurements (including volts, amps, real power (kW) and energy (kWh)) | | √ | √ |
| User-customizable alarms and warnings | √ | √ | √ |
| Embedded log memory to record/review/report historic metered data | √ | √ | √ |
| Environmental | | | |
| Maximum operating temperature | 45°C | 45°C | 60°C*** |
| Environmental monitoring port for external temperature/humidity monitoring | | √ | √ |
| Maintenance and upgradeability | | | |
| Field-replaceable network management module | | √ | √ |
| Standard factory warranty | 2 years | 2 years | 3 years |

* Not applicable on AP8965 & APDU9965

** Requires separate purchase AP9834 APC USB WiFi Device

*** North American and Japan models only

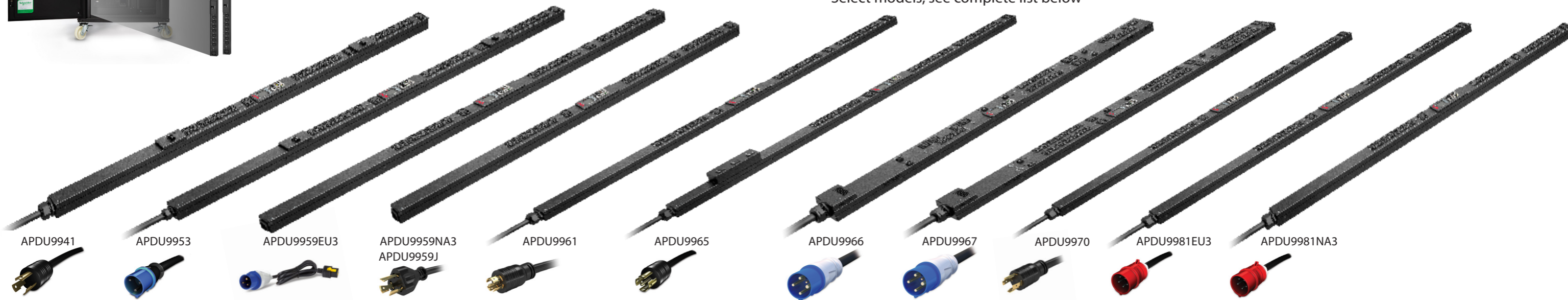


9000 Series Switched Rack Power Distribution



With industry leading reliability, manageability, and security, APC NetShelter Switched Rack PDUs provide advanced load management plus on/off control at the outlet for power cycling, outlet power sequencing, and outlet use management. 9000 Series PDUs are available globally in a wide variety of configurations, including:

- Single and three-phase input options, 16-60A, 3.7-17.3kW
- 100-240V output options
- IEC, NEMA and other input cord options



Innovative Outlet Design

Industry first hybrid PDU outlets are UL certified hybrid C13/C15* and C19/C21* PDU outlets:

- Compatible with standard C14 and C20 power cords
- Future-proofed for new C16 and C22 cords required for IT devices designed for high temperature environments
- These outlets provide 120°C (vs 70°C) outlet rating for true 60°C performance at 100% load

*Select models, see complete list below



| SKU | Form Factor | Input Voltage | Input Circuit | Input Current | Nominal Power | Input Plug | Cord Length m (ft) | Output Receptacles | Dimension mm (in) H x D x W | Warranty | Previous model |
|-------------|--------------|---------------|---------------|---------------|---------------|---------------------|--------------------|--|---------------------------------------|----------|-------------------|
| APDU9941 | Vertical, 1U | 200-240V | 30A | 30A | 5.0kW | L6-30P | 3.0 (9.8) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1829 x 46 x 55 (72 x 1.81 x 2.16) | 3 years | AP8941 |
| APDU9953 | Vertical, 0U | 230V | 32A | 32A | 7.4kW | IEC 309 32A | 3.0 (9.8) | (21) IEC 320 C13, (3) IEC 320 C19 | 1829 x 46 x 55 (72 x 1.81 x 2.16) | 3 years | AP8953 |
| APDU9959EU3 | Vertical, 0U | 230V | 16A | 16A | 3.7kW | IEC 309 16A | 3.0 (9.8) | (21) IEC 320 C13, (3) IEC 320 C19 | 1794 x 46 x 55 (70.62 x 1.81 x 2.16) | 3 years | AP8959, AP8959EU3 |
| APDU9959J | Vertical, 0U | 200V | 16A | 16A | 3.3kW | L6-20P | 3.0 (9.8) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1797 x 46 x 55 (70.74 x 1.81 x 2.16) | 3 years | AP8959 |
| APDU9959NA3 | Vertical, 0U | 208V | 16A | 16A | 3.3kW | L6-20P | 3.0 (9.8) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1797 x 46 x 55 (70.74 x 1.81 x 2.16) | 3 years | AP8959, AP8959NA3 |
| APDU9961 | Vertical, 0U | 208V | 20A, 3phase | 20A | 5.8kW | L21-20P | 1.8 (6) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1792 x 46 x 55 (70.55 x 1.81 x 2.16) | 3 years | AP8961 |
| APDU9965 | Vertical, 0U | 208V | 30A, 3phase | 30A | 8.6kW | L21-30P | 1.8 (6) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1829 x 86 x 55 (72 x 3.38 x 2.16) | 3 years | AP8965 |
| APDU9966 | Vertical, 0U | 208V | 60A, 3phase | 60A | 17.3kW | IEC 309 60A 3P+PE | 2.0 (6.5) | (20) IEC 320 C13/C15, (12) IEC 320 C19/C21 | 1833 x 76 x 111 (72.16 x 2.99 x 4.37) | 3 years | AP8966 |
| APDU9967 | Vertical, 0U | 208V | 60A, 3phase | 60A | 17.3kW | IEC 309 60A 3P+PE | 2.0 (6.5) | (42) IEC 320 C13/C15, (6) IEC 320 C19/C21 | 1833 x 76 x 111 (72.16 x 2.99 x 4.37) | 3 years | AP8967 |
| APDU9970 | Vertical, 0U | 208V | 30A | 30A | 5.0kW | L14-30P | 3.0 (9.8) | (7) IEC 320 C13, (1) IEC 320 C19, (16) NEMA 5-20 | 1829 x 46 x 56 (72 x 1.81 x 2.20) | 3 years | AP8970 |
| APDU9981EU3 | Vertical, 0U | 230V | 16A, 3phase | 16A | 11.1kW | IEC 309 16A 3P+N+PE | 1.8 (6) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1792 x 46 x 55 (70.55 x 1.81 x 2.16) | 3 years | AP8981 |
| APDU9981NA3 | Vertical, 0U | 208V | 16A, 3phase | 16A | 11.1kW | IEC 309 16A 3P+N+PE | 1.8 (6) | (21) IEC 320 C13/C15, (3) IEC 320 C19/C21 | 1792 x 46 x 55 (70.55 x 1.81 x 2.16) | 3 years | AP8981 |

9000 Series Switched Rack PDUs

9000 Series Switched Rack PDU Features

Next Generation Rack PDU featuring...

60°C Operating Temperature

Ability to operate in a maximum ambient air temperature of 60°C (140°F) at full load increasing reliability and availability even in today's high density deployments. Other models allow up to 45°C (113°F).



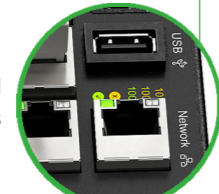
1% Metering Accuracy

Providing the same level of accuracy as a utility company meter by adhering to IEC 62053-21 class 1, 1% metering accuracy provides peace of mind to use these PDUs to bill based on power usage. In addition, the higher level of accuracy provides more precision for capacity planning and threshold alarm monitoring.



Gigabit Ethernet Connectivity

Provides Gigabit Ethernet to enhance and standardize network connectivity across all assets in the data center.

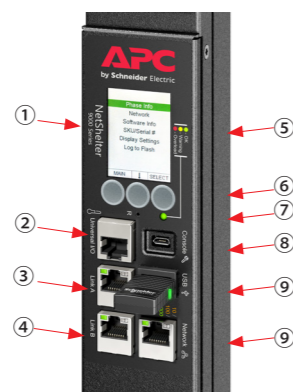


APC Network Management Card 3

- Color LCD Display
- Display aggregate current draw per PDU and much more!
- Enhanced cybersecurity with secured interfaces and modified password policy.
- Full-featured network management interfaces that provide standards-based management via Web, SNMP, and Redfish.
- Allows users to access, configure, and manage rack PDUs from remote locations to save valuable time.



| items | function |
|----------------------|--|
| ① Color LCD Display | Display information about the Rack PDU. To change orientation, see Display Settings. |
| ② T/H Sensor port | Port for connecting a Temperature/Humidity Sensor |
| ③ In | RS485 port sharing connection |
| ④ Out | RS485 port sharing connection |
| ⑤ Load indicator LED | Indicates the status of the Rack PDU load and alarm levels |



Hybrid Outlets

Available on select models, Industry first hybrid outlets allow 60°C operating temperature at full load, are fully compatible with standard C14 and C20 power cords, and future-proofed for implementation of higher temperature rated devices requiring C16 and C21 power cords.



High Retention Outlets

With no special power cords required, high retention outlets provide up to twice the holding force to reduce risk of accidental disconnect.

Wireless Connectivity

Compatible with the optional APC USB WiFi Device (AP9834) for cableless connectivity over WiFi that speeds deployment and simplifies moves, adds, and changes.



32 PDU Network Port Sharing

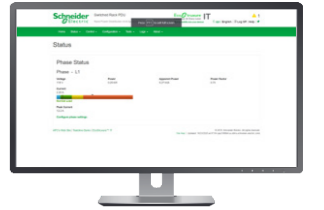
Connect and manage up to 32 PDUs from one IP address to simplify and speed deployment while saving the cost required in having a dedicated network connection for each PDU.



Giving you the control of your rack IT equipment from the cloud to the edge

Switched Rack PDUs enable advanced, customizable power control and active monitoring, featuring:

- Power metering provides real-time remote monitoring of connected loads with alarms to warn of potential overloads.
- Users can access, configure, and control Switched Rack PDUs through secure Web, SNMP, and Redfish and are fully compatible with EcoStruxure IT.



User Friendly Web Interface

Remote Individual Outlet Control

Remotely manage outlets so users can turn outlets off that are not in use or recycle power to locked-up equipment (minimize costly downtime and avoid travel time to equipment).



Outlet control LEDs

Alarm Thresholds

Define alarm thresholds in order to avoid overloaded circuits. Network and visual alarms inform the user of possible problems.



Multi-tier User Access

Supports up to four access levels - Administrator, Device User, Read-Only User and Network-only User - with user name and password requirements.



Flash Upgradeable

Quickly and easily upgrade firmware via network download for future product enhancements. Eliminates the need to replace products already installed in the field when new features are released.



Available Accessories, Services, and Extended Warranty

Temperature & Temp./Humidity Sensors

AP9335T / AP9335TH

Environmental sensor with 4-m (13ft) cable and RJ45 connector that monitors temperature and humidity in your Data Center or Network Closet



Wireless Network Adapter

AP9834 APC USB WiFi Device

Communication support accessory for 9000 Series Rack PDUs. Use for cableless connectivity over WiFi that speeds deployment and simplifies moves, adds, and changes.



Locking Power Cords

Assortment of locking power cords

Locking IEC power cords provide a mechanism to secure power cord connections to the Rack PDU when used with any AP8000 or APDU9000 Series Rack PDUs and prevent accidental disconnects.



Extended Warranty

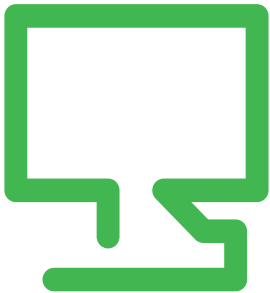
1 year extended warranty to add to 3 year standard factory warranty for a total of 6 years

This service extends the security and protection provided by your factory warranty and ensures your product will be repaired or replaced if necessary at no additional charge.

- WEXWAR1YR-AC-03 & WEXWAR1YR-AC-04



Life Is On



Explore. Select. Configure.

Rack PDU Landing Page:
apc.com/rackpdu

Sketchfab 3D Model:
<https://skfb.ly/6UELv>

Test drive a 9000 Series Switched Rack PDU at:
testdrive.apc.com

Select a Rack PDU with the Rack PDU Selector at:
apc.com/tools/selector/pdu

Configure a PDU with a Complete Solution in Design Portal:
designportal.apc.com

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