# Installation and Operation Rack Power Distribution Unit

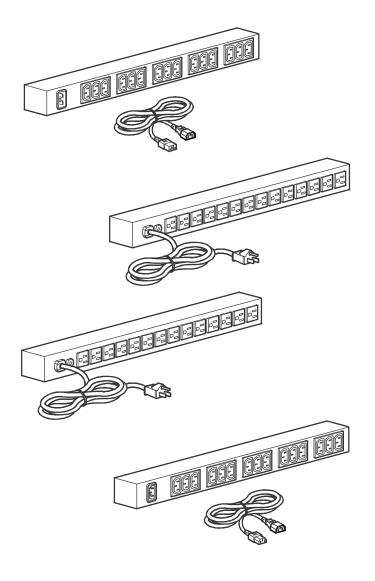
AP9572 AP9551

AP9567

**AP9568** 

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# **General Information**

### Safety

### Safety and grounding information

Read the following information before installing or operating your APC by Schneider Electric Rack Power Distribution Unit (PDU).

### A A DANGER

# HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This PDU is intended for indoor use only.
- Do not install this PDU where excessive moisture or heat is present.
- Never install any wiring, equipment, or PDUs during a lightning storm.
- Plug this PDU into a three-wire, grounded power outlet only. The power outlet must be connected to appropriate branch circuit/mains protection (fuse or circuit breaker). Connection to any other type of power outlet may result in a shock hazard.
- Use only the supplied brackets for mounting, and use only the supplied hardware to attach the mounting brackets.
- Do not use extension cords or adapters with this PDU.
- If a socket-outlet is not accessible to the equipment, a socket-outlet shall be installed.
- Do not work alone under hazardous conditions.
- Check that the power cord, plug, and socket are in good condition.
- Disconnect the PDU from the power outlet before you install or connect equipment to reduce the risk of electric shock when you cannot verify grounding.
  Reconnect the PDU to the power outlet only after you make all connections.
- Use a protective earth connector with equipment. This type of connector carries the leakage current from the load devices (computer equipment). Do not exceed a total leakage current of 3.5 mA.
- Do not handle any kind of metallic connector before the power has been removed.
- Use one hand, whenever possible, to connect or disconnect signal cables to avoid a possible shock from touching two surfaces with different grounds.
- This unit does not have any user-serviceable parts. Repairs are to be performed only by factory-trained service personnel.

Failure to follow these instructions will result in death or serious injury.

Always install the equipment as shown in the Installation Manual.

### Overview

### Receiving

Inspect the package and contents for shipping damage. Make sure all parts were sent. Immediately report any shipping damage to the shipping agent. Report missing contents, product damage, or other problems with the product to APC by Schneider Electric or your APC by Schneider Electric reseller.

### Inventory

Item	Quantity
Basic Rack PDU	1
Vertical-mounting brackets (870-8473)	2
8-32 flat-head screws	8

### **Material recycling**



The shipping materials are recyclable. Please save them for later use, or dispose of them appropriately.

### Installation

### Install the Rack PDU

#### **Mounting options**

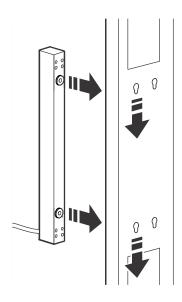
You can install the Environmental Manager Main Module in one of two ways: using toolless mounting pegs (provided) or the vertical-mounting brackets (provided).

- To install the Environmental Manager Main Module using the toolless mounting method, install it in the rear of the NetShelter<sup>®</sup> VX Enclosure, in the cable channel directly behind the rear vertical-mounting rails.
- To install the Environmental Manager Main Module using the mounting brackets, install it on a vertical-mounting rail in the rack or enclosure.

### **Toolless mounting**

**Note:** In order to mount the Rack PDU using the toolless mounting option, you must install it in a NetShelter VX Enclosure.

- Slide both mounting pegs into the holes located in the cable channel in the rear panel of the enclosure.
- Snap the Rack PDU into place by pushing it downward until it locks into position.



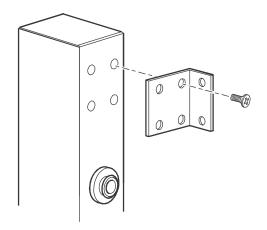
**Note:** You can mount two Rack PDUs on one side of the enclosure by using the toolless mounting method.

### **Bracket mounting**

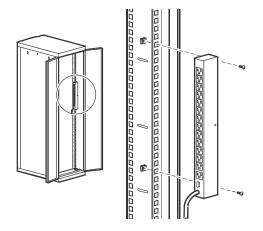
To mount the Rack PDU vertically in a NetShelter or any standard EIA-310-D rack or enclosure:

 Attach the vertical-mounting brackets to the Rack PDU, using four 8-32 flat-head screws per bracket.

Note: Use only the supplied screws.



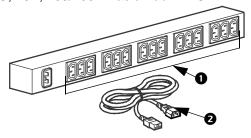
 Attach the Rack PDU to a vertical mounting rail in the rear of the enclosure using two additional screws per bracket (not provided).



# **Operation**

### AP9572

0U, 16A, 208/230V Basic Rack PDU

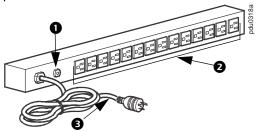


- 15 IEC-320-C13 outlets.
- 2 2.5 m (8.2ft) IEC-320-C19 to IEC-320-C20 power cord.

#### AP9551

0U, 20A, 120V Basic Rack PDU.

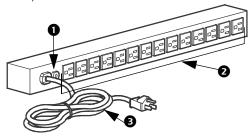
**NOTE:** When the button is raised, the circuit breaker has tripped. Unplug at least one piece of equipment.



- One 20 amp circuit breaker
- 2 14 NEMA 5-15R outlets
- 3 3.66 m (12 ft) NEMA L5-20P power cord

#### **AP9567**

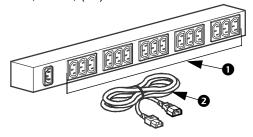
0U, 15 A, 100/120 V Basic Rack PDU



- One 15 amp circuit breaker
- 2 14 NEMA 5-15 outlets
- 3.66 m (12 ft) NEMA 5-15 power cord

#### **AP9568**

0U, 10 A, 120 V, (15) C-13 Basic Rack PDU



- 15 IEC-320-C13 outlets
- 1.98 m (6.5 ft) power cord with IEC-320-C14 plug

# **Specifications**

	AP9572	AP9551			
Electrical	Electrical				
Input voltage range	120 – 230 VAC	120 VAC +/- 10%			
Maximum current draw	20 A (16A derated)	20 A (16A derated)			
Physical					
Size (h×w×d)	62.00 × 4.44 × 4.44 cm (24.40 × 1.75 × 1.75 in)	610 x 42 x 44 mm (24.00 x 1.67 x 1.75 in)			
Shipping dimensions (hxwxd)	63.81×16.82×14. 60 cm (25.13×6.63×5.75 in)	648 x 178 x 152 mm (25.50 x 7.00 x 6.00 in)			
Weight	2.00 kg (4.40 lb)	2.20 kg (4.82 lb)			
Shipping weight	3.64 kg (8.00 lb)	2.92 kg (6.40 lb)			
Environmer	ntal				
Elevation (above MSL)	Operating: 0-3000 m (0-10,000 ft) Storage: 0-15 000 m (0-50,000 ft)				
Relative humidity	Operating: 0 to 95%, non-condensing Storage: 0 to 95%, non-condensing				
Temperature	Operating: -5 to 45° C (23 to 113° F) Storage: -25 to 65° C (-13 to 149° F)				
Compliance					
Safety	UL/cUL Listed, CE, VDE, AS/NZS 60950-1	cUL Listed, CE, GOST, Queensland Australia, UL Listed, VDE			

	AP9567	AP9568			
Electrical	Electrical				
Input voltage range	100/120 VAC	120/240 VAC			
Maximum current draw	15 A (12A derated)	10 A			
Physical					
Size (h×w×d)	61.00 × 4.44 × 4.44 cm (24.00 × 1.76 × 1.76 in)	61.00 x 4.40 x 4.40 cm (24.00 x 1.67 x 1.75 in)			
Shipping dimensions (h×w×d)	64.80×17.80× 15.20 cm (25.50×7.00 × 6.00 in)	648 x 178 x 152 mm (25.50 x 7.00 x 6.00 in)			
Weight	2.18 kg (4.80 lb)	2.0 kg (4.40 lb)			
Shipping weight	2.92 kg (6.40 lb)	2.73 kg (6.00 lb)			
Environmer	ntal				
Elevation (above MSL)	Operating: 0-3000 m (0-10,000 ft) Storage: 0-15 000 m (0-50,000 ft)				
Relative humidity	Operating: 0 to 95%, non-condensing Storage: 0 to 95%, non-condensing				
Temperature	Operating: -5 to 45° C (23 to 113° F) Storage: -25 to 65° C (-13 to 149° F)				
Compliance					
Safety	cUL Listed, METI Denan, UL Listed	cUL Listed, CE, GOST, Queensland Australia, UL Listed, VDE			

## **Life Support Policy**

### **General policy**

APC by Schneider Electric does not recommend the use of any of its products in the following situations:

- In life-support applications where failure or malfunction of the APC by Schneider Electric product can be reasonably expected to cause failure of the life-support device or to affect significantly its safety or effectiveness.
- In direct patient care.

APC by Schneider Electric will not knowingly sell its products for use in such applications unless it receives in writing assurances satisfactory to APC by Schneider Electric that (a) the risks of injury or damage have been minimized, (b) the customer assumes all such risks, and (c) the liability of APC by Schneider Electric is adequately protected under the circumstances.

### **Examples of life-support devices**

The term *life-support device* includes but is not limited to neonatal oxygen analyzers, nerve stimulators (whether used for anesthesia, pain relief, or other purposes), autotransfusion devices, blood pumps, defibrillators, arrhythmia detectors and alarms, pacemakers, hemodialysis systems, peritoneal dialysis systems, neonatal ventilator incubators, ventilators (for adults and infants), anesthesia ventilators, infusion pumps, and any other devices designated as "critical" by the U.S. FDA.

Hospital-grade wiring devices and leakage current protection may be ordered as options on many APC by Schneider Electric UPS systems. APC by Schneider Electric does not claim that units with these modifications are certified or listed as hospital-grade by APC by Schneider Electric or any other organization. Therefore these units do not meet the requirements for use in direct patient care

# **Factory Warranty**

This warranty applies only to the products you purchase for your use in accordance with this manual.

### Terms of warranty

APC by Schneider Electric warrants its products to be free from defects in materials and workmanship for a period of two years from the date of purchase. APC by Schneider Electric will repair or replace defective products covered by this warranty. This warranty does not apply to equipment that has been damaged by accident, negligence or misapplication or has been altered or modified in any way. Repair or replacement of a defective product or part thereof does not extend the original warranty period. Any parts furnished under this warranty may be new or factory-remanufactured.

### Non-transferable warranty

This warranty extends only to the original purchaser who must have properly registered the product. The product may be registered at the APC by Schneider Electric Web site, www.apc.com.

#### **Exclusions**

APC by Schneider Electric shall not be liable under the warranty if its testing and examination disclose that the alleged defect in the product does not exist or was caused by end user's or any third person's misuse, negligence, improper installation or testing. Further, APC by Schneider Electric shall not be liable under the warranty for unauthorized attempts to repair or modify wrong or inadequate electrical voltage or connection, inappropriate on-site operation conditions, corrosive atmosphere, repair, installation, exposure to the elements, Acts of God, fire, theft, or installation contrary to APC by Schneider Electric recommendations or specifications or in any event if the APC by Schneider Electric serial number has been altered, defaced, or removed, or any other cause beyond the range of the intended use.

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### Warranty claims

Customers with warranty claims issues may access the APC by Schneider Electric customer support network through the Support page of the APC by Schneider Electric Web site, www.apc.com/support. Select your country from the country selection pull-down menu at the top of the Web page. Select the Support tab to obtain contact information for customer support in your region.

# Worldwide Customer Support

Customer support for this product is available at no charge at **www.apc.com**.

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