



APC AP9559 Rack Power Distribution Unit Installation and Operation Manual

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APC AP9559 Rack Power Distribution Unit



General Information

Safety

Safety and grounding information

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

DANGER HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- The PDU is intended to be installed and operated by a skilled person in a controlled location with restricted access.
- 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 the 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.

NOTICE

EQUIPMENT DAMAGE HAZARD

The ambient operating temperature of a closed or multiunit rack environment may be greater than the ambient temperature of the room. Ensure the ambient operating temperature of your rack environment does not exceed the rated ambient operating temperature for the device. Failure to follow these instructions can result in equipment damage.

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 or your Schneider Electric reseller.

Inventory

Item Quantity

Item	Quantity
Basic Rack PDU	1
Horizontal mounting brackets	2
Vertical mounting brackets	2
8-32 flat-head Phillips 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 Choose the mounting option for your PDU, depending on your preferences and the type of enclosure.

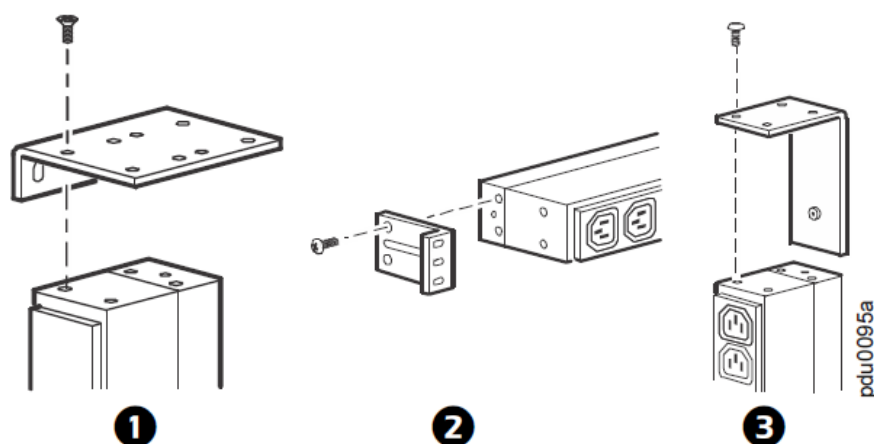
- **Vertical mounting**

- For any standard 19-inch rack, you can attach the brackets to the enclosure using the screws provided.
- **AP9559 only:** For a NetShelter VX enclosure (**AR2100 series**), you can mount the brackets to the enclosure by snapping them into place (toolless mounting).

- **Horizontal mounting:** For any NetShelter enclosure, you can mount the brackets to the enclosure using the screws provided. Horizontal mounting uses 1 U-space.

Attaching brackets to the PDU

1. Decide where and how you will mount the PDU in the enclosure. (See the figures on the following pages.)
2. Choose the appropriate mounting brackets, as shown below, for the option you chose:



- for 19-in vertical mounting **1**
- for horizontal mounting **2**
- **AP9559 only:** for toolless mounting **3**

3. Attach the brackets to the unit using four flat-head Phillips screws (provided) for each bracket.

