Installation and Operation
Rack Power Distribution Unit

AP9562
AP9563
AP9564

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Safety

Safety and grounding information

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

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Rack PDU</td>
<td>1</td>
</tr>
<tr>
<td>Horizontal mounting brackets</td>
<td>2</td>
</tr>
<tr>
<td>Vertical mounting brackets</td>
<td>2</td>
</tr>
<tr>
<td>8-32 flat-head Phillips screws</td>
<td>8</td>
</tr>
</tbody>
</table>

Material recycling
The shipping materials are recyclable. Please save them for later use, or dispose of them appropriately.
Install the Rack PDU

Horizontal mounting

Install the Rack PDU in a NetShelter® or any standard 19 inch EIA/ECA-310 rack or enclosure, using the mounting brackets (provided).

1. Attach the horizontal-mounting brackets to the Rack PDU.

2. Install the Rack PDU using hardware included with your rack or enclosure. The Rack PDU will occupy one U space.
Vertical mounting

Install the Rack PDU in a NetShelter or any standard 19 inch EIA-310 rack or enclosure, using the mounting brackets (provided).

1. Attach the vertical-mounting brackets to the Rack PDU.

2. Install the Rack PDU on a vertical mounting rail in your rack or enclosure.
Operation

AP9562
1 U, 15 A, 120 V, 5-15 (10) Basic Rack PDU

A One 15 amp circuit breaker
B Ten NEMA 5-15 outlets
C 3.66 m (12 ft) NEMA 5-15 power cord

AP9563
1 U, 20 A, 120 V, 5-20 (10), 5-20P Basic Rack PDU

A One 20 amp circuit breaker
B Ten NEMA 5-20 outlets
C 3.66 m (12 ft) NEMA 5-20 power cord
AP9564
1 U, 20 A, 120 V, 5-20 (10), L5-20P Basic Rack PDU

![Diagram of AP9564 PDU]

- A One 20 amp circuit breaker
- B Ten NEMA 5-20 outlets
- C 3.66 m (12 ft) NEMA L5-20 power cord

Mounting brackets

- 1 Brackets for horizontal mounting
- 2 Brackets for vertical mounting

Note: Each rack PDU is packaged with two types of mounting brackets (for horizontal and vertical mounting). Choose your mounting orientation and attach the appropriate brackets to the PDU for installation.
## Specifications

<table>
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<tr>
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<th>AP9562</th>
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<tbody>
<tr>
<td><strong>Electrical</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Input voltage range</td>
<td>100–120 V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum current draw (UL derated)</td>
<td>12 A</td>
<td>16 A</td>
<td>16 A</td>
</tr>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size (h×w×d)</td>
<td>44×447×57 mm &lt;br&gt;(1.76×17.60×2.25 in)</td>
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<tr>
<td>Shipping size (h×w×d)</td>
<td>70×464×229 mm &lt;br&gt;(2.75×18.25×9.00 in)</td>
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<tr>
<td>Weight</td>
<td>2.50 kg (5.50 lb)</td>
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</tr>
<tr>
<td>Shipping weight</td>
<td>3.64 kg (8.00 lb)</td>
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<tr>
<td><strong>Environmental</strong></td>
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</tr>
<tr>
<td>Elevation (above MSL)</td>
<td>Operating: 0–3000 m &lt;br&gt;(0–10,000 ft) &lt;br&gt;Storage: 0–15 000 m &lt;br&gt;(0–50,000 ft)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative humidity</td>
<td>Operating: 0 to 95%, non-condensing &lt;br&gt;Storage: 0 to 95%, non-condensing</td>
<td></td>
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</tr>
<tr>
<td>Temperature</td>
<td>Operating: –5 to 45°C &lt;br&gt;(23 to 113°F) &lt;br&gt;Storage: –25 to 65°C &lt;br&gt;(–13 to 149°F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Compliance</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Safety</td>
<td>cULUs Listed</td>
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</table>
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.
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