Installation

Basic Rack Power Distribution Unit

AP9565

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General Information

Overview

Description

The 16A Basic Rack PDU provides 100V to 240V of power to rack-mounted equipment.

The Rack PDU contains twelve (12) IEC 320 C13 outlets, one (1) IEC 320 C20 power inlet, and an IEC 320 C19 to IEC 320 C20 power cord (2.5 m, 8.2 ft).

Two sets of brackets and connecting hardware for each are included in the packaging.

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.

Material recycling

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

Safety and grounding information

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

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

• The Rack PDU is intended to be installed and operated by a skilled person in a controlled location.
• High leakage current from attached loads is possible. If total leakage current will exceed 3.5 mA, attach a ground wire from the Rack PDU supplementary ground (M5 thread) to a reliable ground in your facility before energizing the Rack PDU.
• Do not operate the Rack PDU with the covers removed.
• This Rack PDU is intended for indoor use only.
• Do not install this Rack PDU where excessive moisture or heat is present.
• Never install any wiring, equipment, or Rack PDUs during a lightning storm.
• Plug this Rack 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.
• Do not use extension cords or adapters with this Rack 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 Rack 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 Rack PDU to the power outlet only after you make all connections.
• 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.
WARNING

FIRE HAZARD

• This equipment should be connected to a single-outlet dedicated circuit protected by a circuit breaker or fuse with the same current rating as the Rack PDU.

• The plug or inlet serves as the disconnect for the Rack PDU. Make sure the utility power outlet for the Rack PDU will be close to the Rack PDU and readily accessible.

• Use only the supplied screws to mount the brackets to the Rack PDU.

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

Mounting options

Horizontal mounting

Mount the Rack PDU in a 19-inch NetShelter rack or other EIA-310-D standard 19-inch rack.

1. Choose a mounting position for the Rack PDU with either the display or the rear of the unit facing out of the rack. The unit occupies one (1) U space. A notched hole on the NetShelter rack’s vertical rail indicates the middle of a U space.

2. Attach the mounting brackets to the Rack PDU using the flat head screws provided. Use of hardware other than the provided screws may cause damage to the unit.
3. Mount the unit in any NetShelter rack using the 6-32 X 5/16 flat head screws provided. Cage nuts are required but not provided with your Rack PDU. Extra cage nuts are provided with your NetShelter rack.

**NOTE:** Install cage nuts properly.
Vertical bracket mounting

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

1. Attach the vertical-mounting brackets to the Rack PDU using only the supplied 6-32 X 5/16 flat head screws.

2. Install the Rack PDU on a vertical mounting rail in your rack. Screws and cage nuts are not supplied with the Rack PDU. Extra cage nuts are provided with your NetShelter rack.
## Specifications

### Electrical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal input voltage</td>
<td>100–240 V</td>
</tr>
<tr>
<td>Input frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Input connector</td>
<td>IEC 320 C20 inlet</td>
</tr>
<tr>
<td>Output connectors</td>
<td>12 IEC 320 C13 outlets</td>
</tr>
<tr>
<td>Maximum total current draw</td>
<td>16 A @ 100–240 V (UL)</td>
</tr>
<tr>
<td></td>
<td>12 A @ 100–240 V (cUL)</td>
</tr>
<tr>
<td></td>
<td>16 A @ 220–240 V (VDE)</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size [h×w×d]</td>
<td>1.75×17.60×2.25 in (4.45×44.70×5.72 cm)</td>
</tr>
<tr>
<td>Shipping size [h×w×d]</td>
<td>2.75×18.25×9.00 in (7.00×46.35×22.86 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5 lb (2.0 kg)</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>8.0 lb (3.6 kg)</td>
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</table>

### Environmental

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevation (above MSL)</td>
<td>0–10 000 ft (0–3000 m)</td>
</tr>
<tr>
<td></td>
<td>0–50 000 ft (0–15 000 m)</td>
</tr>
<tr>
<td>Temperature</td>
<td>0 to 45° C (32 to 115° F)</td>
</tr>
<tr>
<td></td>
<td>−25 to 65° C (−13 to 149° F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>0–95% RH Non-condensing</td>
</tr>
<tr>
<td></td>
<td>0–95% RH Non-condensing</td>
</tr>
</tbody>
</table>

### Approvals

| Safety verification           | UL, cUL, VDE, CE |
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 APC by Schneider Electric or any other organization. Therefore these units do not meet the requirements for use in direct patient care.
Factory Warranty

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