

## Schneider Electric AP8958NA3

# Instruction Manual

## SCHNEIDER ELECTRIC RACK PDU 2G SWITCHED ZEROU

Model: AP8958NA3

### 1. Introduction

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Schneider Electric Rack PDU 2G Switched ZeroU, Model AP8958NA3. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.

The Rack PDU 2G Switched ZeroU is designed to distribute power to multiple devices within a rack environment, offering advanced features such as individual outlet switching and power monitoring capabilities.

### 2. Safety Information

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**WARNING:** Risk of electric shock. This product contains hazardous voltages. Installation and servicing should be performed by qualified personnel only.

- Always disconnect the PDU from the power source before performing any installation, maintenance, or cleaning.
- Ensure the PDU is properly grounded.
- Do not operate the PDU in environments with excessive moisture or extreme temperatures.
- Do not attempt to open or modify the PDU. There are no user-serviceable parts inside.
- Connect the PDU only to a power source that matches the voltage and current ratings specified on the unit.
- Overloading the PDU can result in fire or electric shock. Ensure the total current draw of connected equipment does not exceed the PDU's maximum current rating.

### 3. Product Overview

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The Schneider Electric Rack PDU 2G Switched ZeroU (AP8958NA3) is a high-quality power distribution unit designed for efficient power management in data centers and server rooms. Its ZeroU form factor

allows for vertical mounting in a rack, conserving valuable rack space.

Key features include:

- **Switched Outlets:** Individual control of (7) C13 and (1) C19 outlets for remote power cycling and management.
- **Power Monitoring:** Real-time monitoring of current, voltage, power, and energy consumption.
- **ZeroU Form Factor:** Mounts vertically in the rack, occupying no rack units.
- **Input Connection:** L6-20P plug for 208V, 20A power input.



Figure 1: Front view of the Schneider Electric Rack PDU 2G Switched ZeroU (AP8958NA3). This image shows the vertical form factor and the arrangement of the C13 and C19 outlets.

## 4. Setup

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### 4.1 Unpacking

Carefully remove the PDU from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. If any damage is found, contact your reseller or Schneider Electric support immediately. Retain all packaging materials for future use or return.

### 4.2 Mounting the PDU

The ZeroU PDU is designed for vertical mounting within a standard 19-inch rack. It typically mounts to the side rails or rear of the rack using the included mounting brackets and hardware.

1. Identify a suitable vertical mounting location in your rack that does not obstruct airflow or other equipment.
2. Attach the mounting brackets to the PDU using the provided screws.
3. Secure the PDU, with brackets attached, to the rack frame using appropriate rack screws. Ensure the PDU is securely fastened and stable.

### 4.3 Power Connection

Connect the PDU to a dedicated 208V, 20A power circuit. The PDU is equipped with an L6-20P input plug.

1. Ensure the power source is off before connecting the PDU.
2. Plug the L6-20P input cord of the PDU into a compatible 208V, 20A L6-20R receptacle.
3. Once connected, you may energize the power source. The PDU's status indicators should illuminate.

**CAUTION:** Do not connect the PDU to an ungrounded outlet or an outlet that does not match the specified voltage and amperage.

### 4.4 Device Connection

Connect your IT equipment to the PDU's output receptacles.

- The PDU features (7) C13 outlets and (1) C19 outlet.
- Use appropriate power cords (e.g., C14 to C13, C20 to C19) to connect your devices.
- Ensure that the total load of all connected devices does not exceed the PDU's maximum capacity of 20A.

### 4.5 Network Connection

For remote management and monitoring, connect the PDU to your network.

1. Locate the Ethernet port on the PDU (typically labeled "Network" or "Management").
2. Connect a standard Ethernet cable from this port to an available port on your network switch.
3. Refer to the PDU's network management card documentation (if separate) for initial IP address configuration and access to the web interface.

## 5. Operating the PDU

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### 5.1 Powering On/Off Connected Devices

Once the PDU is powered and connected to the network, you can manage individual outlets.

1. Access the PDU's web management interface via a web browser using its assigned IP address.
2. Log in with your credentials.
3. Navigate to the outlet control section. From here, you can individually switch outlets ON, OFF, or cycle power (OFF then ON) to connected devices.

**Note:** Always ensure that powering off a device will not cause data loss or system instability before executing an outlet command.

### 5.2 Monitoring Power Consumption

The PDU provides real-time power monitoring capabilities.

- Within the web management interface, locate the monitoring or status section.

- You can view total PDU current, voltage, power (kW), and energy consumption (kWh).
- Some models also offer outlet-level monitoring.
- Configure thresholds and alerts for overcurrent or other critical conditions to receive notifications.

## 6. Maintenance

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### 6.1 Cleaning

Keep the PDU clean to ensure proper operation and prevent overheating.

- Before cleaning, disconnect the PDU from the power source.
- Use a soft, dry cloth to wipe down the exterior of the unit.
- Do not use liquid cleaners or aerosol sprays directly on the PDU.

### 6.2 Firmware Updates

Periodically check the Schneider Electric support website for firmware updates for your PDU model. Firmware updates can provide new features, performance improvements, and security enhancements.

- Follow the instructions provided with the firmware update package carefully.
- Ensure a stable power supply during the update process to prevent interruption.

### 6.3 Periodic Inspection

Regularly inspect the PDU and its connections:

- Check power cords for any signs of damage, fraying, or overheating.
- Ensure all connections are secure.
- Verify that the PDU's environment is free from excessive dust and has adequate ventilation.

## 7. Troubleshooting

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Problem	Possible Cause	Solution
PDU has no power / Status LEDs are off.	<ul style="list-style-type: none"> <li>• Input power cord disconnected.</li> <li>• Circuit breaker tripped.</li> <li>• No power from source outlet.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the L6-20P input cord is securely plugged into the power source.</li> <li>• Check the PDU's circuit breaker (if present) and reset if tripped.</li> <li>• Verify the power source outlet is functional.</li> </ul>
Connected device is not receiving power.	<ul style="list-style-type: none"> <li>• Outlet is switched off.</li> <li>• Device power cord is loose or faulty.</li> <li>• Device itself is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the PDU's web interface to ensure the specific outlet is switched ON.</li> <li>• Verify the power cord connection to both the PDU and the device.</li> <li>• Test the device with a known working power source.</li> </ul>

Problem	Possible Cause	Solution
Cannot access PDU via network.	<ul style="list-style-type: none"> <li>• Network cable disconnected.</li> <li>• Incorrect IP address.</li> <li>• Network configuration issue.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the Ethernet cable is securely connected to the PDU and the network switch.</li> <li>• Verify the PDU's IP address and ensure your computer is on the same network segment.</li> <li>• Consult your network administrator or the PDU's network management card documentation for advanced network troubleshooting.</li> </ul>

If you are unable to resolve an issue using the troubleshooting steps above, please contact Schneider Electric technical support for assistance.

## 8. Specifications

Feature	Detail
Model Number	AP8958NA3
Brand	Schneider Electric
Input Voltage	208 Volts
Input Amperage	20 Amps
Input Plug Type	L6-20P (NEMA L6-20P)
Output Receptacles	(7) IEC 60320 C13, (1) IEC 60320 C19
Form Factor	ZeroU (Vertical Rack Mount)
Functionality	Switched, Metered
Color	Black
UPC	731304277125

## 9. Warranty and Support

Schneider Electric products are backed by a limited warranty. For specific warranty terms and conditions applicable to your region and product, please refer to the documentation included with your purchase or visit the official Schneider Electric website.

For technical support, product information, or service inquiries, please contact Schneider Electric customer support. Contact details can typically be found on the official website or on the product packaging.

**Online Resources:** [www.se.com/us/en/](http://www.se.com/us/en/)