

Lenovo 39Y8951

Lenovo DPI Universal Rack Power Distribution Unit (Model 39Y8951) Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of the Lenovo DPI Universal Rack Power Distribution Unit (PDU), Model 39Y8951. This PDU is designed to distribute power to multiple devices within a rack environment, ensuring reliable power delivery for your IT infrastructure.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or other injury or damage.

- Always connect the PDU to a properly grounded power source.
- Do not open the PDU enclosure. There are no user-serviceable parts inside.
- Ensure that the total current draw of all connected equipment does not exceed the PDU's maximum rated capacity (1800W).
- Do not use the PDU in wet or excessively humid environments.
- Route power cords carefully to prevent tripping hazards and to avoid damage.
- Disconnect power from the PDU before performing any maintenance or installation procedures.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Lenovo DPI Universal Rack PDU (Model 39Y8951)
- Rack mounting hardware (screws, cage nuts, etc.)
- Documentation (this manual)

If any items are missing or damaged, contact your vendor immediately.

4. PRODUCT OVERVIEW

The Lenovo DPI Universal Rack PDU is a 1U rack-mountable unit designed for efficient power distribution. It features multiple IEC C13 outlets for connecting various IT devices.



Figure 1: Front panel of the Lenovo DPI Universal Rack Power Distribution Unit. This image displays the front panel of the Lenovo DPI Universal Rack Power Distribution Unit. It features seven IEC C13 power outlets arranged horizontally, designed for connecting various IT equipment. On the far right, a small green LED indicator light is visible, signifying power status. The unit has a black, rectangular chassis, suitable for rack mounting.

Key Components:

- **IEC C13 Outlets:** Seven (7) outlets for connecting devices with IEC C14 power cords.
- **Power Indicator Light:** A green LED on the right side of the front panel indicates that the PDU is receiving power.
- **Input Power Connectors:** The PDU supports Nema L5-20P and Nema L6-20P input connections (input cable not shown in image).

5. SETUP

5.1 Rack Mounting

1. Identify a suitable 1U (1.75 inches) space in your standard 19-inch equipment rack.
2. Align the PDU's mounting ears with the rack posts.
3. Secure the PDU to the rack using the provided mounting screws and cage nuts. Ensure it is firmly attached.

5.2 Connecting Input Power

1. Ensure the power source is off or disconnected before connecting the PDU.
2. Connect the appropriate input power cable (Nema L5-20P or Nema L6-20P, depending on your power infrastructure) to the PDU's input connector (located on the rear of the unit, not visible in the front view image).
3. Connect the other end of the input power cable to a compatible and properly grounded power outlet or UPS.

5.3 Connecting Devices

1. With the PDU's input power connected and the power indicator light illuminated, you can now connect your IT equipment.
2. Plug the power cords of your devices into the IEC C13 outlets on the front of the PDU.

3. Ensure that each device's power cord is securely seated in the outlet.

6. OPERATION

6.1 Powering On

Once the input power cable is connected to a live power source, the PDU will automatically power on. The green power indicator light on the front panel will illuminate, confirming that the unit is operational and distributing power to the connected outlets.

6.2 Powering Off

To power off the PDU, disconnect its input power cable from the wall outlet or UPS. This will cut power to all connected devices. Always ensure connected equipment is properly shut down before disconnecting power.

7. MAINTENANCE

7.1 Cleaning

- Ensure the PDU is powered off and disconnected from the power source before cleaning.
- Use a soft, dry cloth to wipe the exterior of the PDU.
- Do not use liquid cleaners or aerosol sprays directly on the unit.

7.2 Inspection

- Periodically inspect the PDU and its power cords for any signs of damage, such as frayed cables, loose connections, or discolored outlets.
- If any damage is found, discontinue use immediately and replace the affected components or the PDU itself.

8. TROUBLESHOOTING

8.1 No Power to PDU

- **Check Input Power:** Ensure the input power cable is securely connected to both the PDU and the wall outlet/UPS.
- **Verify Power Source:** Confirm that the wall outlet or UPS is providing power. Test with another device if possible.
- **Check Circuit Breaker:** If applicable, check the circuit breaker on the wall outlet or electrical panel.

8.2 No Power to Connected Devices

- **Verify PDU Power:** Ensure the PDU's green power indicator light is illuminated. If not, refer to "No Power to PDU" above.
- **Check Device Connections:** Ensure all device power cords are securely plugged into the PDU's IEC C13 outlets.
- **Check Device Power:** Verify that the connected devices are switched on and functioning correctly.
- **Overload:** If the PDU has an overload protection mechanism (e.g., a circuit breaker), check if it has tripped. Reduce the load and reset if necessary.

9. SPECIFICATIONS

Model Number	39Y8951
Manufacturer	IBM
Brand	Lenovo
Outlets	7 x IEC 309-C13
Power Capacity	1800W
Input Connectors	Nema L5-20P, Nema L6-20P (depending on configuration)
Form Factor	1U, 0.5" Rack-mountable
Product Dimensions	26.2 x 7.6 x 8.8 inches
Item Weight	13.49 pounds
ASIN	B000GI4BC4
Date First Available	July 8, 2006

10. WARRANTY AND SUPPORT

Warranty information for the Lenovo DPI Universal Rack PDU, Model 39Y8951, is typically provided by the manufacturer (IBM) or the vendor at the time of purchase. Please refer to your purchase documentation or contact your vendor for specific warranty terms and conditions.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact your product vendor or Lenovo customer support.