

## RIVECO 1U 6 Sockets 2 USB

# RIVECO 1U Rack Mount PDU Instruction Manual

Model: 1U 6 Sockets 2 USB

Brand: RIVECO

## 1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your RIVECO 1U Rack Mount Power Distribution Unit (PDU). This PDU is designed to provide reliable power distribution and surge protection for network, server, and audio equipment within a 19-inch server cabinet.

## 2. PRODUCT OVERVIEW

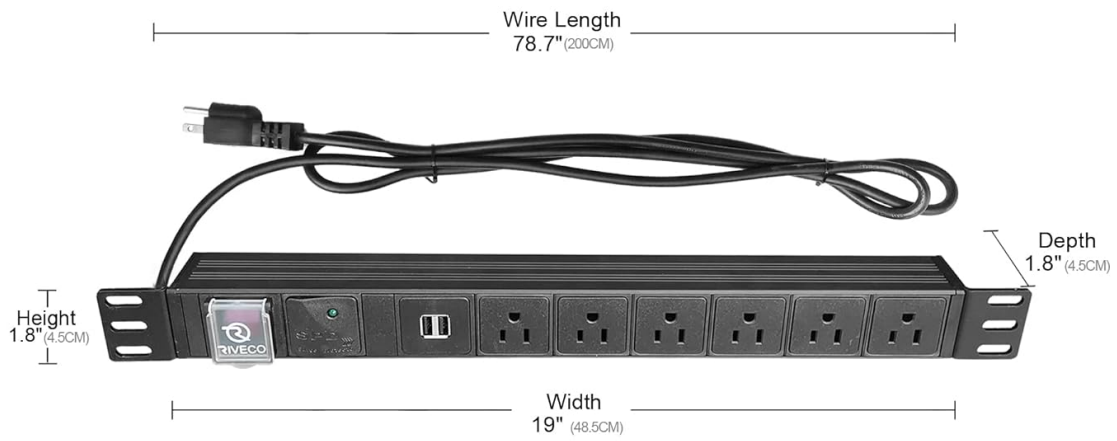
The RIVECO 1U Rack Mount PDU features 6 standard AC outlets and 2 USB charging ports, integrated with surge protection. Its robust design and flexible mounting options make it suitable for various professional environments.

### Key Features:

- **6 AC Outlets (120V/15A):** Provides power for multiple network and audio devices.
- **2 USB Ports:** Conveniently charge small electronic devices such as mobile phones or USB-powered accessories.
- **Surge Protection:** Integrated modules protect connected equipment from power surges.
- **ON/OFF Switch with Cover:** Prevents accidental power cycling.
- **Durable Construction:** Made from high-quality aluminum alloy for corrosion resistance and insulation.
- **Rotatable Mounting Ears:** Allows flexible installation in 19-inch server racks (forward, backward, horizontal, or vertical).

### Components:

## DIMENSIONS



### Inclusive parts



M6 screws (in 1 pack, equipment mounting)

**Figure 2.1:** Front view of the RIVECO 1U Rack Mount PDU, showing 6 AC outlets, 2 USB ports, power switch, and surge protection indicator.

## DETAILS



**Figure 2.2:** Close-up details of the PDU, highlighting the Surge Protection Device (SPD) indicator, aluminum alloy housing, covered ON/OFF switch, USB ports, and standard AC sockets.



**Figure 2.3:** Detail of the rotatable mounting ears, allowing for flexible installation orientations.

## 3. SPECIFICATIONS

Feature	Description
Product Dimensions	1.8 x 19 x 1.8 inches (4.5 x 48.3 x 4.5 cm)
Item Weight	1.98 pounds (0.9 kg)
Total Power Outlets	6 AC Outlets
USB Ports	2 USB Ports
Voltage	120 Volts
Current Rating	15 Amps
Power Cord Length	7 feet (2.1 meters)
Special Features	Mountable, On/Off Switch, Surge Protection, USB Slot, Rotatable Ears
Housing Material	Aluminum Alloy



**Figure 3.1:** Dimensional drawing of the PDU, showing height, width, depth, and power cord length.

## 4. SETUP AND INSTALLATION

The RIVECO PDU is designed for easy installation in standard 19-inch server racks. Ensure the rack is stable and properly grounded before installation.

### Rack Mounting:

1. **Prepare Mounting Ears:** The PDU features rotatable mounting ears. Adjust them to the desired orientation (forward, backward, horizontal, or vertical) by loosening the screws, rotating, and re-tightening.
2. **Position the PDU:** Align the mounting ears with the rack rails at the desired 1U height.
3. **Secure the PDU:** Use appropriate rack screws (M6 screws are typically included for equipment mounting) to firmly attach the mounting ears to the rack rails. Ensure both sides are securely fastened.
4. **Connect Power Cord:** Plug the PDU's 7-foot power cord into a suitable, grounded power source.

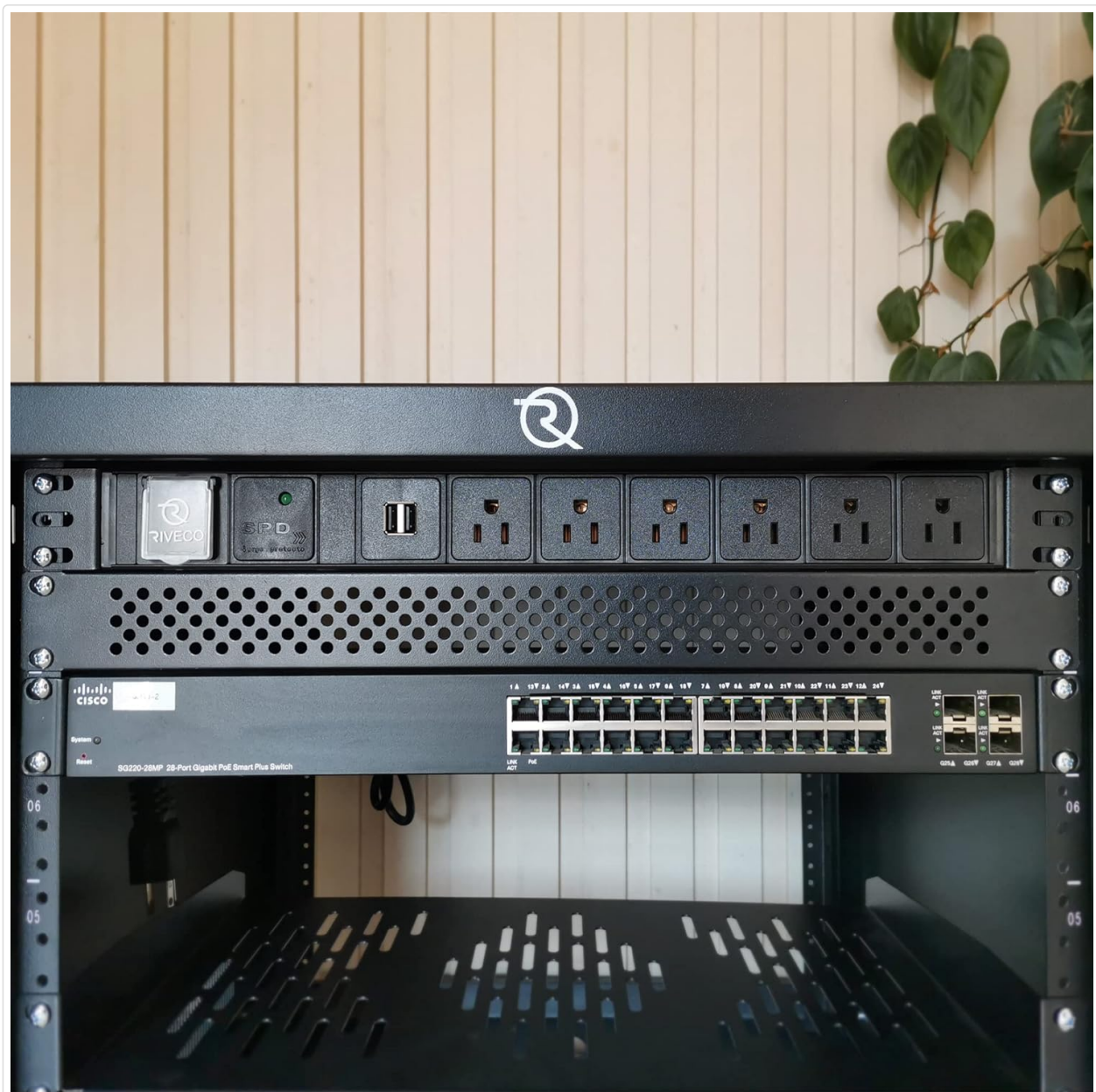


Figure 4.1: The PDU installed within a server rack, demonstrating its 1U form factor.

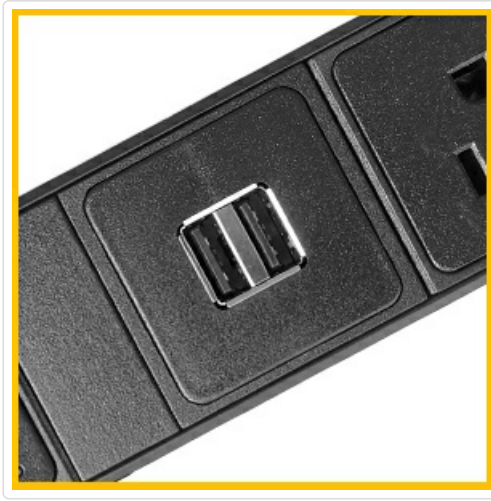


Figure 4.2: An example of the PDU installed in a rack, with a laptop connected to one of the USB charging ports.

## 5. OPERATING INSTRUCTIONS

Once installed, operating the PDU is straightforward.

1. **Power On/Off:** Locate the red ON/OFF switch on the front panel. Flip the clear protective cover up, then press the switch to the 'ON' position to supply power to the outlets and USB ports. Press it to 'OFF' to cut power. Always close the protective cover to prevent accidental operation.
2. **Surge Protection Indicator:** A green LED labeled 'SPD' (Surge Protection Device) indicates that the surge protection is active and functioning. If this light is off, the surge protection may have been compromised, and the unit should be inspected.
3. **Connecting AC Devices:** Plug your 120V/15A compatible devices into the 6 standard AC outlets. Ensure devices do not exceed the PDU's total current rating.
4. **Connecting USB Devices:** Plug your USB charging cables into the 2 USB ports to charge compatible small electronic devices.



**Figure 5.1:** Detail of the two USB charging ports on the PDU.



**Figure 5.2:** The green SPD indicator light, confirming active surge protection.

## 6. SAFETY INFORMATION

---

Adhere to the following safety guidelines to prevent injury or damage to equipment:

- Do not exceed the maximum electrical rating of 120V/15A.
- Ensure the PDU is connected to a properly grounded power outlet.
- Do not disassemble or modify the PDU. There are no user-serviceable parts inside.
- Avoid exposing the PDU to moisture or extreme temperatures.
- Keep children away from the PDU and connected devices.
- If the surge protection indicator light (SPD) is off, the surge protection feature may be compromised. Disconnect all devices and replace the PDU if necessary.
- Do not use in medical life support applications.

## 7. MAINTENANCE

---

The RIVECO PDU requires minimal maintenance.

- **Cleaning:** Disconnect the PDU from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Inspection:** Periodically inspect the power cord and the PDU housing for any signs of damage. Ensure

all connections are secure.

- **Surge Protection Check:** Regularly check the green SPD indicator light to ensure the surge protection is active.

## 8. TROUBLESHOOTING

If you encounter issues with your RIVECO PDU, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to outlets/USB ports	PDU switch is OFF PDU not plugged in Wall outlet has no power Overload/Internal fuse tripped	Ensure ON/OFF switch is ON Verify power cord is securely plugged into a live outlet Test wall outlet with another device Reduce connected load; if issue persists, contact support
SPD indicator light is off	Surge protection compromised	The PDU may have absorbed a significant surge. While power distribution may still function, surge protection is no longer active. Replace the PDU for continued surge protection.
Devices not charging via USB	USB cable faulty Device not compatible PDU not powered	Try a different USB cable Ensure device is compatible with USB charging Verify PDU is powered ON

If troubleshooting steps do not resolve the issue, please contact RIVECO customer support.

## 9. WARRANTY AND SUPPORT

RIVECO is committed to customer satisfaction.

- **Money-Back Guarantee:** This product comes with an unconditional 30-day money-back guarantee.
- **Technical Support:** RIVECO provides lifetime technical support for this product.

For warranty claims, technical assistance, or any inquiries, please refer to the contact information provided with your purchase or visit the official RIVECO website.