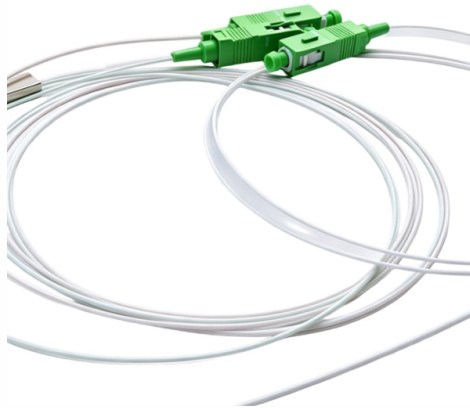


Dimensions of Hot-swappable Power Distribution Units for Private Power Grids



Overview

Tripp Lite Hot Swap PDU Tripp Lite Hot Swap PDU allow for repair or UPS replacement without taking your network offline. With reliable in-rack power Eaton.

Key Takeaways

Hot-swappable PDUs typically come in rack-mountable form factors such as 1U or 2U, with variable depth and cord lengths depending on the model, allowing flexible installation in private power grids. Form Factor and Mounting

Hot-swappable PDUs are generally designed for rack-mount installation, commonly in 1U or 2U heights, which corresponds to 1.75 inches or 3.5 inches in vertical rack space, respectively. They can be mounted on the top, side, or rear of a rack, depending on the model and available space. This modular design allows for easy replacement or maintenance without powering down connected equipment.

Typical Dimensions

- Height: 1U (1.75 in / 44.45 mm) or 2U (3.5 in / 88.9 mm)
- Width: Standard rack width of 19 inches (482.6 mm)
- Depth: Varies by manufacturer; common depths range from 6 inches to 12 inches (150–300 mm) to accommodate internal wiring and hot-swap mechanisms

- Cord Lengths: Often include 6 ft to 10 ft (1.8–3 m) input cords for flexible connection to UPS or utility power
- Receptacle and Input Options

Hot-swappable PDUs provide multiple output receptacles to support connected loads:

- 5-15R, 5-20R, or L5-20R output receptacles for standard and high-power devices
- Dual input and manual bypass switches allow maintenance or UPS replacement without interrupting power to critical equipment

Practical Considerations

When selecting a hot-swappable PDU for a private power grid:

- Ensure the rack space (U height) and depth match your installation environment.
- Verify cord length and plug type for compatibility with UPS or utility connections.
- Consider receptacle type and quantity to meet the power requirements of connected devices.
- Hot-swap PDUs often include manual bypass functionality, enabling maintenance without downtime . These dimensions and features make hot-swappable PDUs ideal for mission-critical environments, including data centers, server rooms, and private power grids, where uninterrupted power is essential.

Article Content

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Dimension Measurement Length 1674 mm / 65.91 in. Depth 47 mm / 1.85 in.

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Single-Phase Hot-Swap PDU, 6x NEMA 5-15R Outlets, 2x 5-15P

It allows you to manually transfer connected equipment to utility power via the PDU's bypass switch, permitting maintenance or

1.9kW Single-Phase Hot-Swap PDU, 100-120V Outlets (4-5-15R,

MODEL NUMBER: PDUB20 Features Tripp Lite Hot-swap PDU systems support live-replacement of standard UPS systems for

Cyberex® Power Distribution Unit technical specifications

The Cyberex PDU power distribution module provides mission critical power distribution to data centers.

Eaton FlexPDU & HotSwap MBP

The FlexPDU is a basic function power distribution unit with a short power cord for easy, close mounting. FlexPDUs are available

220-240V 16A Single-Phase Hot-Swap PDU with Manual Bypass

Because the rack PDU (rPDU) 56.1-millimeter height is larger than 1U in an EIA-standard rack, you will need to mount the unit into

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

