

Dimensions of rack-mounted PDUs for Hospitals



AI Overview

Rack-mounted PDUs for hospitals typically conform to standard 19-inch rack widths and vary in height from 1U to 2U, with depths ranging from 1 to 2 meters depending on cord length and model. Standard Form Factor Most rack-mounted PDUs are designed to fit 19-inch server racks, which is the standard width for IT and medical equipment racks in hospitals. The height of PDUs is usually measured in rack units (U), with common sizes being 1U or 2U, where 1U equals 1.75 inches (44.45 mm). The depth of the PDU depends on the cord length and internal components, typically ranging from 1 meter (3.3 ft) to 1.5 meters (4.9 ft) for the power cord routing within the rack. Cord and Outlet Considerations Input cord length: Standard PDUs provide 1 to 1.5 meters of cord routed inside the rack, ensuring the AC power source is within 2 meters (6.6 ft) of the rack. Outlet types: Hospital PDUs often use IEC C13/C19 outlets to support medical IT equipment, with some models offering 2-in-1 or combination outlets for flexibility. Redundant power inputs: Many PDUs include dual inputs for primary and secondary power feeds, critical for hospital environments requiring uninterrupted power. Manufacturer Examples Schneider Electric: Offers basic, metered, and switched PDUs with customizable colors, outlet configurations, and cord lengths to fit high-density racks. Eaton: Provides 1U and 2U rackmount PDUs with managed, metered, and basic options, supporting daisy-chaining of up to eight PDUs under a single IP address. Vertiv Geist: Offers upgradeable PDUs with outlet-level monitoring, environmental sensors, and dual power inputs, suitable for mission-critical hospital racks. Cisco RP-Series: Includes detailed installation guides specifying PDU height, width, and mounting requirements for rack integration. Summary For hospital applications, rack-mounted PDUs generally follow standard 19-inch rack wi...

Article Content

P1000 Series Rack Power Distribution Units

APPLICATION P1000 Series Rack Power Distribution Units are the ideal solution for data centers, computer rooms, and other high-demand environments that require “always-on” power. P1000 Series

15 Best Rackmount PDUs (June 2026)

If you are searching for the best rackmount PDUs to power your server rack, home lab, or network closet, you have come to the right place. I have spent the last three months testing 15

Power Distribution Unit (PDU) for Data Centers

Increasing rack power density both in the data center and at the network edge means that reliable power distribution is crucial. Our innovative power distribution units and rack PDUs not only maintain power,

Exploring Data Center PDUs: Floor PDUs vs. Rack & Cabinet PDUs

Explore the different types of server rack PDUs. Floor-Mounted PDUs Floor-mounted or cabinet-based PDUs can supply 300kVA or more. Larger and more expensive than rackmount

RACK PDU

With only one single-phase or three-phase input, these PDUs guarantee reliable power distribution for equipment with small and medium-scale energy requirements integrated into rack cabinets.

Basic Power Distribution Units (PDUs)

They feature up to 54 outlets and come standard with a top fed 10-foot (3 meter) input power cord. They are capable of mounting vertically (0U) or horizontally (1U or 2U) in a data center/enterprise cabinet

Standard PDU Physical Specifications

Installing PDUs Into a Sun Rack II Cabinet Installing Standard PDUs Prepare to Install a Standard PDU Install a Standard PDU Installing Compact PDUs Prepare to Install a Compact PDU Install a

What is Rack PDU and Types

What is Rack PDU? PDU (Power Distribution Unit) is a device that manages and distributes power for network devices installed in cabinets. It has various series specifications with

Standard PDU Physical Specifications

Note - 1 to 1.5 m (3.3 to 4.9 ft.) of the cords will be routed within the rack cabinet, so the site's AC power receptacle must be within 2m (6.6 ft.) of the rack.

Power Distribution Unit | Rack PDU | PDU Series -1 | LongXing

LongXing PDUs has the features of include switch-free design, network-grade plugs and outlets, a power cord and cord retention tray, durable metal housing, and horizontal vertical mounting

Rack Power Distribution

From products that have different colors to different sizes and configurations, APC Custom Solutions has it all.

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The black DP-RP-VM-15/xx bracket is designed for vertical mounting of up to 2 basic, monitored, or managed PDUs side by side into a rack with A-type 19" extrusions.

Data Center Racks, Cabinets, and Cages: An In-Depth Guide

Inside a data center, a labyrinth of servers and high-tech networking gear are arranged in specialized racks, secure cabinets, and impenetrable cages.

Power Distribution Units PDUs

Rack- and Panel-Mount PDUs not only provide convenient, reliable power to equipment mounted in cabinets or on open frame racks, they can also be configured to meet a wide range of design

Rack PDU | Power distribution units for server racks | Eaton

Eaton's ePDU G4 technology, featured in all of their server rack mounted power distribution units (PDUs), provides best-in-class power distribution with a full line of High Density (HD) Managed and

Rack PDU(s), Data Center Rack Mount PDU(s), Power Distribution

The Rack PDU For All Your Data Center Needs Trusted by the world's largest data center operators, Server Technology Rack Power Distribution Units' innovative design combines over 30 years of

Rack PDU Selection Guide: Power Distribution Units for Server Racks ...

What is a rack power distribution unit? Knowing a Power Distribution Unit A Power Distribution Unit (PDU) is an appliance made for transmitting electrical energy to numerous devices

Rack PDU & Distribution Units | Schneider Electric UK

How a rack PDU works: Rack PDUs connect directly to the existing power infrastructure and distribute electricity to multiple devices inside the rack. Intelligent rack PDUs add functionality such as

Data Sheet Power Distribution Unit Rack Systems

st intelligent power metering and distribution. A Power Distribution Unit (PDU) is a specific type of multiple-socket bar which is often used in data centers and which is usually installed in 19" racks or

Vertiv Geist Rack PDUs

Enhance Business Agility, Efficiency and Availability with Vertiv™ Geist™ Rack PDUs
Data centre investments are sizable, and each component of the power chain from the facility entrance to the

Vertiv Geist Rack PDUs

By combining leading rack PDU technology, expert service and support, and a seven-year protection plan, you'll know your data center has the power it needs to support business-critical applications.

Eaton Rack PDU G4

Industry-leading, high-density 0U mounted PDU that provides 24, 42 or 48 evenly distributed outlets on a 42U chassis. Its low-profile circuit breakers are flush with the chassis, and its narrow, single-wide

Rackmount PDU (Power Distribution Units)

A Rackmount Power Distribution Unit (PDU) is essential for managing electrical power in server racks or network cabinets. It offers multiple outlets in one

Power Distribution

Power that drives your network Servers, storage, and networking equipment only perform as well as the power that drives them. Leviton Power Distribution Units (PDUs) provide robust, reliable power to

Rack PDU | Power distribution units for server racks | Eaton

Each of these rack PDU types offers a variety of capabilities to fulfill the needs of your IT environment. Eaton PDUs for server racks are ready to be deployed in any application, from small/medium

Contact Us

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