



Price for Location Requirements of Power Distribution Box in Computer Room

Article Overview

Power distribution boxes for computer rooms typically range from \$50 to over \$1,500 depending on capacity, features, and type.

Typical Price Ranges

- o Basic Rack-Mount PDUs: Simple 1U horizontal or vertical units with 6-12 outlets usually cost \$50-\$150. Examples include CyberPower CPS1215RM (\$69.99) and Monoprice 12-Outlet 1U PDU (\$48.54) for standard 120V, 15A setups (Amazon, Newegg, eBay) .
- o Metered or Switched PDUs: These units allow monitoring of current and remote switching of outlets. Prices generally range from \$150-\$700, depending on amperage and number of outlets. For instance, Tripp Lite PDUMH15HVAT (12 outlets, 120V) is around \$492.95, and CyberPower PDU41001 (8 outlets, 120V) is \$149-\$419 (Newegg, eBay) .
- o High-Capacity or Managed PDUs: Designed for large-scale server rooms or data centers, these can handle 208-240V, 30-50A, and multiple C13/C19 outlets. Prices range from \$700 to over \$1,500. Examples include APC AP8841 Metered Rack PDU (\$249-\$1,094) and Champion 50A Power Distribution Box (\$826-\$1,017) .
- o Temporary or Portable Power Distribution Boxes: For flexible setups or construction sites, 30-50A boxes with multiple twist-lock or GFCI outlets cost \$273-\$1,160 depending on configuration and number of outlets (BestMaterials, Zoro) .

Factors Affecting Price

- o Amperage and Voltage: Higher amperage (30-50A) and 208-240V units are more expensive than standard 15-20A, 120V units.
- o Number of Outlets: More outlets or mixed C13/C19 configurations increase cost.
- o Features: Metered, switched, or managed PDUs with remote monitoring, surge protection, or ATS (Automatic Transfer Switch) functionality are pricier.
- o Form Factor: Rack-mountable 1U/2U units are generally more expensive than portable or mini boxes.
- o Brand and Certification: Trusted brands like APC, Tripp Lite, CyberPower, and Eaton often command higher prices due to reliability and UL/OSHA compliance.

Summary

For a standard computer room setup, expect to pay \$50-\$150 for basic PDUs, \$150-\$700 for metered or switched units, and \$700-\$1,500+ for high-capacity or managed PDUs. Temporary or portable distribution boxes for flexible setups range from \$273 to \$1,160 depending on amperage and outlet configuration. Choosing the right unit depends on your power requirements, number of devices, and desired



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monitoring/control features .

The following paper discusses the considerations that need to be made while choosing the appropriate power distribution products at

Capacity Another key consideration when choosing the location for a power distribution box is capacity. The box should be located in

The power distribution system at the construction site shall be distributed in different levels. The main distribution box (or distribution

Data center power supply relies on an efficient distribution system that includes backup procedures to ensure uninterrupted service

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Some distribution boxes have a longer cord than others. When choosing a distribution box, make sure the cord is

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Explore distribution box cost factors, safety features, and budget solutions. Learn how to select the right

5. DC power requirements and circuit length limitations 6. Equipment connection length requirements (such as: the

A distribution box, also called an electrical distribution box, distributes incoming power to

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An optimal distribution box configuration ensures efficient power management and safety. The recommended

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