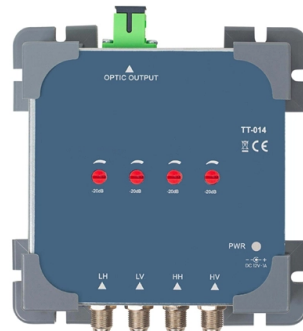


Customization Process for Low-Noise PDU Power Distribution Unit



Overview

Customization options to meet your application's exact needs. Achieve perfect control with custom branches, switching, metering, and more. Integrate safety systems with EPO and other interlocks. Tailored designs address diverse needs, ensuring efficient, reliable performance in high-voltage applications. [Home](#) / [Blog](#) / [How to Customize A BDU/PDU?](#)

A Brief Guide 1. Power. The new Eaton® ePDU® third-generation (G3) customization platform offers new build-to-order capabilities designed for fast turnaround of outlet and cord plug configurations. By investing in state-of-the-art equipment, engineering resources, and. The rise of artificial intelligence (AI) and high-performance computing (HPC) applications is driving rapid growth in the power distribution unit (PDU) market, which is projected to grow at a 15. 1% CAGR from 2023 through 2028. Our factory-tested power distribution units are built to your exact specifications, support overhead or underfloor distribution, and feature a convenient, portable rack form. Build Your Custom Rack Power Distribution Unit (PDU) for Your Data Center Rack Power Distribution Units (PDUs) are critical components in data centers, responsible for distributing electrical power to servers and other IT equipment.

Article Content

Dec 18, 2025

White Paper Power Distribution Units (PDUs) in Data Centers

Executive Summary Power Distribution Units (PDUs) are essential components in modern Data Centers, serving as the critical link between power sources and IT equipment. As Data Centers evolve to

Jan 05, 2026

Power distribution unit (PDU) for a distributed computing

For modern distributed computing networks a smart PDU is required which does not only supply the power to all the attached units but also monitors

Feb 02, 2026

Data Center PDU Manual: Installation and Configuration

This article guides you on the importance of PDUs for data centers and how to install and configure a data center PDU.

Jun 07, 2026

Build Your Custom Rack Power Distribution Unit (PDU) for Your Data ...

Building your own Power Distribution Unit (PDU) offers flexibility, customization, and cost savings. By understanding the

Apr 19, 2026

Power Distribution Unit (PDU)

Products & Services Power Distribution Unit Power Distribution Unit (PDU) IEM's Power Distribution Units (PDUs) are engineered to deliver reliable, high-capacity

Nov 26, 2025

Power Distribution Unit

Power originates from the main power supply, is transferred through central UPS and sub-distribution systems, and is supplied to socket systems in the IT racks – the PDUs (power distribution units). The

Oct 20, 2025

Custom PDUs: Enabling the future of data centers beyond standard

Custom PDUs enhance data center power distribution by addressing AI and HPC demands. Learn about innovations like multi-output transformers and isolated designs for increased

Feb 24, 2026

PDI PowerHub 2 Power Distribution Unit

1.1 Summary These specifications describe requirements for a power distribution unit (PDU) distributing power to sensitive loads.

Jul 30, 2025

Top 8 Considerations for Choosing the Right Rack Power Distribution ...

One of the basic decisions in data center design is which rack power distribution units (PDU) to use and where to use them. The rack PDU is a fundamental building block of any data center, transforming

Jul 10, 2025

Low Voltage Systems MNS PDU Power Distribution Units

The renowned ABB MNS system, manufactured for over 30 years to exacting standards in over 30 countries, now includes the latest in intelligent Power Distribution Unit (PDU) technology.

Jan 25, 2026

Quick Guide to Power Distribution Unit (PDU)

This is a brief guide of the Power Distribution Unit (PDU), which may help to resolve your problems with the rack PDUs. Why adopt the PDU system? How many types of receptacles of PDU are available in

Aug 04, 2025

Configurable Power Distribution | Schneider Electric USA

Configurable Power Distribution Configured to order, factory assembled power distribution units for IT equipment in any size data center or high density zone

Apr 14, 2026

Power Distribution Unit (PDU)

A power distribution unit (PDU) is a device with multiple power outlets that provides electrical protection and distributes power to IT equipment within a rack. PDUs

Mar 01, 2026

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Power Distribution Unit

Power Distribution Unit functions Batteries Parallelize battery strings Isolate batteries from the machine Insulation permanent control Current measurement Power

Aug 10, 2025

Power Distribution Units | Power Distribution & Control

Power Distribution & Control Systems The Power Distribution Unit (PDU) delivers a superior approach to power distribution, incorporating advanced safety

May 04, 2026

Marway-Technologies-Infographic

The Technologies of Power Distribution With Marway's ability to create application-specific PDUs, the PDU becomes an ideal place to consolidate many power management needs of electrical platforms.

Mar 17, 2026

What is a power distribution unit (PDU)?

A power distribution unit (PDU) is a device for controlling data center electrical power. The most basic PDUs are large power strips without surge protection. They are designed to provide

Sep 18, 2025

How to Customize A BDU/PDU? A Brief Guide

Given the diverse customer demands and complex application scenarios, customized design of BDUs and PDUs has become increasingly

Feb 22, 2026

Whitepaper Rittal PDU international

Introduction Power distribution units (PDUs) measure numerous electrical parameters, the built-in sockets can be switched on and off independently, and they can be remotely operated and monitored

Jul 20, 2025

What is a PDU (Power Distribution Unit)

PDU (Power Distribution Unit): Explained in Simple Terms Ever wondered how all those servers and network devices stay powered in a data center? The answer: Power Distribution Units

Apr 29, 2026

Technisches Systemhandbuch Power Distribution Unit

Bei der Power Distribution Unit (PDU) handelt es sich um eine Energieverteilung zur Integration in jedes IT-Rack im Rechen- zentrum. Im Schrank stellt die PDU die für die Server- und Netz-

Mar 25, 2026

How Does a Power Distribution Unit (PDU) Work? The Basics

How does a power distribution unit (PDU) work? We explore the basic concepts involved in rack PDU functionality. Learn more from the power experts at Enconnex.

May 05, 2026

Eaton ePDU G3 customization platform brochure

With an advanced blueprint to facilitate easy and efficient customization, the new platform is engineered to condense the order-to-installation timeline and increase agility.

Jul 16, 2025

Custom PDU

In addition to standard rackmount solutions, Marway has created custom power distribution units in uniquely-sized and shaped enclosures up to full-sized racks.

May 23, 2026

Power Distribution Unit

Delta's PDUs offer power capacities from 225 to 950 kVA and are highly customizable products. We can design and manufacture solutions tailored to your

Contact Us

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