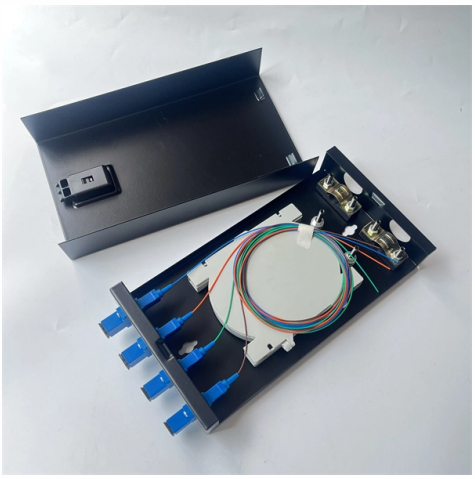
Well-known brand of high-voltage power supply cabinets for computer rooms



Overview

Heavy duty welded cabinet enclosures made in the USA for rack-mount power and test and measurement equipment.

Key Takeaways

Vertiv (Liebert), Magna-Power, Rakworx, and specialized high-voltage suppliers like Bellnix and Matsusada Precision are among the leading brands for high-voltage power supply cabinets in data centers.

Key Brands and Products

Vertiv (Liebert Series) Vertiv offers the Liebert RXV and TFX PDU cabinets, designed for dense power distribution in small to mid-sized data centers. These cabinets provide up to 400 Amp inputs, configurable power distribution, and options for panelboard or branch circuit monitoring. They support automatic switching between multiple AC sources and are factory-tested for reliability in critical IT environments.

Magna-

Power Magna-

Power provides heavy-duty cabinet enclosures that integrate programmable DC power supplies and electronic loads. Their cabinets are built from 12-gauge cold-rolled steel, pre-installed with cooling and power connections, and are widely used in defense, aerospace, and industrial research. These turnkey systems are designed for high reliability and ease of deployment.

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Rakworx Rakworx specializes in data center server cabinets with integrated power distribution units (PDUs). Their cabinets range from 24U to 52U, with features like environmental sensors, electrical systems, natural cooling, and embedded management for remote load monitoring. Rakworx cabinets are optimized for efficiency, security, and scalability in IT environments.

High-

Voltage Power Supply Manufacturers For specialized high-voltage applications, brands such as Bellnix (OHV series), American High Voltage (TCR series), Matsusada Precision (HGP series), General Products (HitekPower), Takasago Machinery Works (TMK series), and Hamamatsu Photonics (C14051 series) provide modular high-voltage power supply units. These are suitable for applications requiring 600 V DC or higher, with attention to insulation, dielectric strength, and thermal management.

Considerations for Selection

Voltage and Current Ratings: Ensure the cabinet supports the required high-voltage levels and load capacity. Monitoring and Control: Look for cabinets with branch-level monitoring, remote management, and redundancy features. Cooling and Integration: Proper airflow or liquid cooling integration is critical for high-density setups.

Compliance and Safety: Cabinets should meet IEC or local standards for insulation, creepage distance, and grounding. Modularity: Modular designs allow for future expansion and easier maintenance. These brands and product lines are widely recognized for reliability, safety, and suitability for computer rooms, data centers, and high-voltage applications.

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