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Recommended Manufacturers of US Smart PDU Control Boards



Overview

Smart PDU Solutions | Intelligent Power Distribution UnitsSwitched, metered and monitored Smart PDU solutions for data centers, telecom and industrial appl.

Key Takeaways

Top US manufacturers for smart PDU control boards include APC by Schneider Electric, Eaton, Raritan, Server Technology, and Belden, all offering advanced monitoring, outlet-level control, and DCIM integration.Leading Manufacturers



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1. APC by Schneider Electric APC is a globally recognized leader in power management, offering smart PDUs with real-time monitoring, outlet-level control, and integration with DCIM tools. Their products feature surge protection, overload prevention, compact 1U designs, and EcoStruxure IT readiness for enhanced functionality. APC PDUs support remote management, allowing scheduled power cycles and rebooting of equipment, making them ideal for high-reliability IT environments . 2. Eaton Eaton provides Rack PDU G4 and other intelligent PDUs designed for energy efficiency, security, and redundancy. Their solutions include metered and switched PDUs with outlet-level monitoring, environmental sensors, and integration capabilities for centralized management. Eaton emphasizes modular designs and high-quality components suitable for data centers and industrial applications . 3. Raritan Raritan specializes in intelligent rack PDUs with inlet and branch circuit metering, outlet-level control, and overload warnings. Their PDUs integrate with DCIM software and KVM-over-IP solutions, offering high reliability and energy efficiency. Raritan's products are widely used in enterprise and colocation data centers . 4. Server Technology Server Technology manufactures switched, metered, and monitored PDUs with remote power control, real-time energy metering, and SNMP/Modbus integration. Their smart PDUs are designed for high-density environments and support automated power sequences, ping-based auto-reboot, and precise energy auditing . 5. Belden Belden offers a broad portfolio of PDUs with high-quality components and multiple installation options. Their smart PDUs are suitable for critical applications, providing reliable power distribution, monitoring, and control. Belden also supplies racks, cabinets, and network cabling, enabling integrated infrastructure solutions .

Additional Notable Manufacturers
• CyberPower – Offers intelligent PDUs with remote management and monitoring features.

• ATEN – Provides PDUs with outlet-level switching and energy metering.

• Marway (HEICO Corporation) – Specializes in custom and smart PDUs for industrial, military, and aerospace applications, integrating power conversion and conditioning .
Key Considerations

When selecting a smart PDU manufacturer, consider:

• Outlet-level control and metering for precise energy management.

• Integration with DCIM or monitoring systems for centralized analytics.

• Certifications such as UL, CE, RoHS for compliance and safety.

• OEM/ODM capabilities if custom configurations are required.

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• Redundancy and surge protection to ensure uninterrupted operations. These manufacturers provide reliable, feature-rich smart PDUs suitable for data centers, telecom, and industrial environments, ensuring scalability, energy efficiency, and operational safety .

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