ADVANCED RACK PDUS

PRODUCT OVERVIEW

Intelligent Rack PDU Solutions
Available in Custom Configurations

Established in 2008, Schleifenbauer has been producing high-quality, innovative PDUs in The Netherlands.

What sets their approach apart from other manufacturers is that instead of having clients select a PDU that vaguely fits their needs, Schleifenbauer specialises in custom-building PDUs tailored precisely to the client's specifications.

The design process is highly adaptable and fully customisable by the client. Additionally, there is no requirement for a minimum order, customisation comes at no extra cost, and the PDUs can be delivered quickly.

SCHLEIFENBAUER **PDU 5.0**

Why Choose Schleifenbauer?

- Custom designed PDUs, free customisation, no minimum order quantity and fast delivery times.
- Available in six colours: Red, Blue, Green, Orange, Yellow and Black.
- Wide choice of outlets including Scolmore IEC-Lock lockable outlets (C13, C19 and 4-in-1 IEC-Lock Combi).
- High-quality components with a variety of options on cable entry, fuses, surge protection, and connection types.
- Choice of intelligence levels: Metered, Monitored, Switched and Managed.
- PDUs to meet any requirement including PDUs suited to meet the growing demands of Artifical Intelligence (AI), High-Performance Computing (HPC) and Machine Learning (ML) technologies.
- Advanced PDU 5.0 technology.
- Complimentry management software, EnerTree, to manage multiple Schleifenbauer PDUs.
- Eco-friendly manufacturing utilising local sourcing and sustainable supply chain.
- Packaging made from recycled cardboard with optional packing-free delivery.

Configuration Types:

- **Basic:** No power monitoring
- **Metered:** Power monitoring per phase and breaker
- **Monitored:** Monitoring per phase, breaker, and outlet
- **Switched:** Monitoring with outlet-level switching
- **Managed:** Full monitoring and switching per outlet
- **Inline Meter:** Monitoring for existing Basic PDUs

PDU 5.0

PDU 5.0 is Schleifenbauer's next generation advanced PDU.

Created in collaboration with more than 40 Data Centre operators to address the requirements of modern Data Centres. PDU 5.0 offers real-time tracking and advanced energy management offering greater scalability, integration and security. A PDU for the future, today.
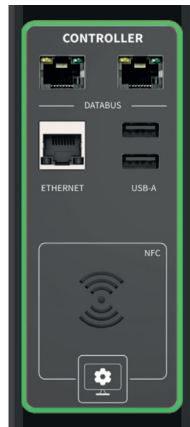
Key Features & Benefits:

- Modular PDU solution with hot-swappable controllers.
- LED ring for instant visual status display.
- Each PDU supports up to 32 sensors.
- Daisy-chain capability enabling live power and sensor data from100s of PDUs. All managed via a single IP address.
- No fixed display; access data via smartphone app, reducing costs and failure points.
- Network redundancy via redundant interfaces ensuring uninterrupted management.
- Abillity to mass configure via tools such as DHCP / BOOTP / PXE / iPXE.
- Dual 1 Gbps network connectivity (Ethernet port & USB Port), Dual Databus, and Dual USB on the Gateway and Controller modules ensure reliable, high-speed connections within your network.

- Real-time data tracking.
- Advanced energy management, track peak usage, voltage dips, harmonics and power qaulity.
- Automated alerts for instant notification when thresholds are breached.
- Complementary EnerTree management software.

- PDU 5.0 provides efficient management with future-proof technology.
- Real-time monitoring and optimal power management.
- Increased reliability to minimise downtime.
- Highest security standards to protect Data Centres.
- Highly adaptable and scalable solution, without downtime or complex adjustments.
- Configured to meet your exact requirement without long lead-times.

Controller Modules

Gateway Module

Controller Module

Daisy Chain Module

Gateway Module

Designed for advanced energy management alongside EnerTree Platform. This module centralises data from multiple PDUs. The intelligence of the PDU resides within the EnterTree Platform for high-compute power monitoring. With a measurement refresh rate of once every second and support for 10,000 PDUs within the system it provides an effective means of improving efficiency and lowering costs by requiring less hardware within the PDU.

Controller Module

The Controller Module features embedded EnerTree Lite software with an internal Web GUI that provides converntional management. The controller has a refresh rate of once every 5 seconds and supports a maximum of 100 PDUs within the PDU system. This module is fully compatible with other PDU monitoring and management software.

Daisy Chain Module

A secure data communication module without an Ethernet port. The Daisy Chain module acts as a data relay module, enabling PDU network expansion by creating a ring topology. By purely transmitting data to a single Gateway or Controller module it reduces the need for additional Ethernet ports, enhancing security by minimising the risk of external access.

Smartphone Integration via NFC for Local Access

With the Rack PDU Display app and NFC technology, accessing PDU data becomes straightforward without requiring a physical display on the PDU unit. This enhances flexibility, removes a potentially vulnerable component, and facilitates secure and quick local access to measurement data from the PDU.

EnerTree, Schleifenbauer's complimentary Data Centre Energy Management software delivers a powerful, future-proof solution for monitoring and managing energy.

Key Features & Benefits:

- Real-time monitoring for maximum uptime.
- Proactive reporting providing critical performance metrics.
- Powerful visual clariety via an easy-to-use interface.
- Efficient asset management: monitor energy consumption and performance of equipment, identifying potential improvements.
- Smart capacity planning for future equipment expansion.
- Seamless integration with DCIM. Supporting various protocols including HTTP/HTTPS, REST API, MODBUS/TCP and SNMP enables easy integration to DCIM systems.
- High-level security supporting options such as Active Directory®, LDAP, AES 256-bit encryption and SSL/TLS 1.3.

- Automated alerts when thresholds are exceeded.
- Power Usage Effectiveness (PUE) monitoring.
- Intuitive multi-device web GUI allowing management of multiple devices in a single dashboard.
- Virtual representation of your infrastructure for better monitoring and management.
- Automatic backups and updates to ensure system continuity. Makes sure firmware is always up to date.

- **EnerTree Platform:** Comprehensive version for desktop or server installation. Supports up to 10,000 PDUs.
- **EnerTree Lite:** Embedded software that manages up to 100 PDUs either via 3rd party DCIM or stand-alone GUI.

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