VERICOM®

Powering the Future of AI and HPC

Vericom AI-Ready PDUs are designed specifically to meet the high-power demands of GPUs used in AI, machine learning, and HPC equipment. Featuring advanced power monitoring and analytics, high power density electronics, and the IEX+ combo outlet, these PDUs provide the most advanced set of tools available to monitor and protect the mission critical equipment used in today's data centers.

Hot-swappable control module provides advanced monitoring and analytics, with 0.5% accuracy of the critical metrics required in today's high-performance environments

KEY FEATURES:

- Real-time monitoring of critical metrics including peak current, phase angle, power factor, apparent energy, reactive power, and total harmonic distortion, all within 0.5% accuracy

- Circuit breaker monitoring using waveform visualization

- High power capacity options include 60A, 80A, 100A, and 125A

- Up to 20A per outlet, each outlet protected by an independent circuit breaker

- Ultimate flexibility with the new IEX+ outlet compatible with C14, C14VLOCK, C15, C20, C20VLOCK, C20PLOCK, and C21 plugs

- Available in 3 phase 380-415V WYE and 208V DELTA versions

- Certified to IEC/UL standards

Energy Efficient Latching Relays

Bi-stable latching relays make outlet switching safer by immediately restoring power to outlets after a power failure without the need to remotely switch each outlet.

Interoperablility with Third Party Software

Centrally manage all PDUs in your data center using any standard communication protocol. Our solutions are compatible with virtually any third party Datacenter Infrastructure Management (DCIM) solution.

OLED Display

Shows input power parameters and scrolls individual outlet metrics (V, A, PF, W, KWxH). Screen orientation rotates according to PDU orientation.

Field-Replaceable Controller

The advanced onboard controller is hot swappable, ensuring power delivery to connected IT equipment during replacement.

Environmental Monitoring with Cascading EMD Sensors

Daisy chain up to 8 temp and humidity sensors and 16 additional sensors binary sensors (smoke, vibration, door position, flood detection, etc.)

Network Failsafe

Maintains network connectivity between connected PDUs if one PDU experiences a power failure. All sensors, alarms, and monitoring remain active.

Redundant Network Connections

Double gigabit ethernet ports ensure monitoring reliability and communication with data center management and end clients in one or two separate networks.

PDU Cascading

Daisy chain up to 16 PDUs using one IP address.

Security

Supports the most stringent security protocols in the market in order to prevent unauthorized access (256 bit AES encryption, radius, SNMPv3, user premissions, SSHv2, SSL, HTTPS).

Kwh Metering Accuracy

Enables precise allocation of data center expenses with +/- 0.5% billing grade accuracy.

Circuit Breaker Monitoring and Waveform Visualization

Monitor the load at each outlet and diagnose issues in the event of a trip using waveform visualizations

Remote Outlet Switching and Monitoring

Full outlet control for remote on/off or timed reboot of individual outlets or groups of outlets
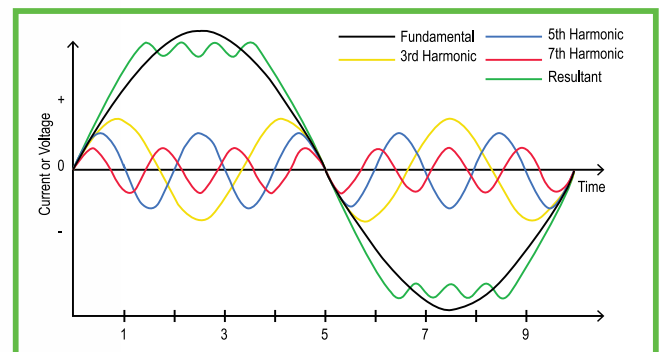
Power Monitoring and Analytics

Real-time monitoring of critical metrics including peak current, phase angle, power factor, apparent energy, and reactive power, all within 0.5% accuracy.

Monitor Total Harmonic Distortion, including both current and voltage harmonics, to provide added protection against overheating, overloading, and over-stressing of components, as well as nuisance tripping of circuit breakers, caused by distortion of the power supply.
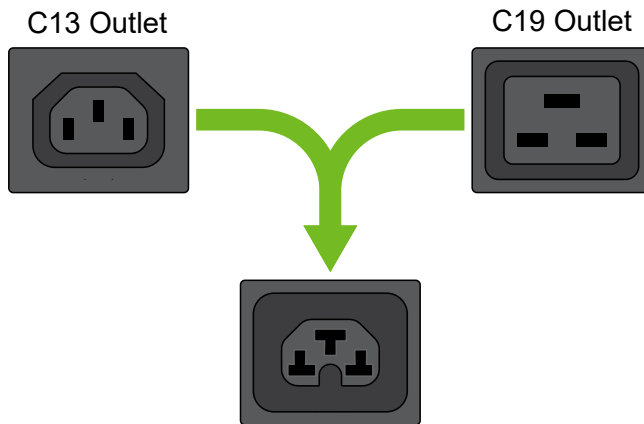
IEX+ Combo Outlet

The IEX + combination outlet is a versatile power connector designed to accommodate a wide variety of 15- and 20-amp plugs. This flexibility future-proofs a rack PDU against unforseen equipment changes, eliminating the need to replace a PDU simply because the number of specific connections has changed. The IEX+ outlet is also compatible with C16 and C22 cords required in high heat environments, providing further future proofing as rack densities continue to increase.

C13 Outlet

C19 Outlet

IEX+ Outlet

compatible with:
C14, C16, C20, C22,
C14VLOCK, C20VLOCK, C20PLOCK

Easily identify circuits with color-coded outlets that simplify circuit and phase balancing.

The IEX Lock-VP bezel inserts into the outlet to provide a secure, locking connection for both standard and V-LOCK C14 plugs.

Three Phase WYE Configurations

Item Number	Voltage	Amps	Amps (Derated)	kW	Input Type	Plug Type	Cord Length	Circuit Breakers	Maximum Outlet QTY.	Form Factor
VPA-6BW12IXH		60A		44.4kW					12	Horizontal (2U)
VPA-6BW12IXV		60A		44.4kW					12	
VPA-8BW18IXV		80A	N/A	57.6kW	Terminal Blocks	N/A	N/A		15	Vertical
VPA-1BW24IXV		100A		72kW					24	
VPA-2BW24IXV	380 - 415V	125A		88.8kW				20A	24	
VPA-6PW12IXH		60A	48A	44.4kW		60A 3P + N + E 6hr			12	Horizontal (2U)
VPA-6PW12IXV		60A	48A	44.4kW		60A 3P + N + E 6hr			12	
VPA-8PW12IXV		80A	60A	44.4kW	Cord w/Plug	60A 3P + N + E 6hr	10 ft		12	Vertical
VPA-1PW24IXV		100A	80A	57.6kW		100A 3P + N + E 6hr			24	
VPA-2PW24IXV		125A	100A	72kW		125A 3P + N + E 6hr			24	

THREE PHASE DELTA OPTIONS ALSO AVAILABLE - Ask Your vericom representative for details.

VERICOM®

The Future Of Technology - Today.

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