



VCE TECHNOLOGY ALLIANCE PARTNER PROGRAM PARTNER BRIEF

Eaton® and VCE™ have partnered to deliver advanced power monitoring, management, and control solutions for VCE Vblock™ Systems. This collaboration exemplifies the evolution of converged infrastructure management, enabling customers to increase efficiency while also protecting valuable IT and hardware equipment.

Integrated Power Management Overview

The Eaton Intelligent Power Manager™ (IPM) software and Metered Input ePDU® G3 rack-based power distribution unit have earned Vblock Ready certification. Eaton IPM allows Vblock Systems users to view their entire power infrastructure in the data center on a single dashboard, giving up-to-the-minute information on the status of power in the network. When integrated into a Vblock System, IPM monitors and manages power; measures power consumption to help calculate power usage effectiveness (PUE); and triggers live migration of virtual machines and graceful shutdown initiation during extended power outages. The Eaton Metered Input ePDU G3 provides remote monitoring of the current draw of individual outlet sections via network communication. This capability, combined with IPM, allows Vblock Systems users to aggregate the information from many ePDUs in one location. Eaton's highly reliable and efficient UPS solutions are also compatible with Vblock Systems.

Solution Benefits

Eaton IPM streamlines power monitoring, management and deployment as VMware® Ready certified software. When a power event takes place, Vblock Systems users can automate disaster recovery processes from the VMware vCenter™ Server management platform through Eaton's IPM. Vblock Systems customers can also now consolidate non-critical workloads to extend battery runtime and deploy automatic live migration of virtual machines and movement of critical workloads. Integrated with Cisco® Unified Computing System™ server management, Eaton IPM allows users to set power consumption limits for each server for extended battery runtime during a power event.

Eaton's ePDU G3 portfolio of rack mounted PDUs monitors power usage at 1% billing grade accuracy. The portfolio features a new International Electrotechnical Commission (IEC) grip that's integrated into each outlet. Once the levers lock into the grip position, the plugs are secured from accidental disconnect due to bumps or vibrations. Eaton ePDU G3 also provides Vblock System users with a hot-swappable network meter module so that, in the unlikely event of a failure, users can replace the module without shutting down servers, maintaining business continuity and enhancing serviceability.

Eaton Uninterruptible Power Systems (UPS) protect against damaging power problems to keep Vblock Systems running efficiently without interruption. Highly configurable and scalable, these high-density UPSs deliver high performance protection and battery backup for unpredictable power in any IT environment.



Available through the VCE Technology Alliance Partner (TAP) Program to partners whose solutions are certified as interoperable with Vblock Systems.

Certification verifies:

- Basic software installation on Vblock Systems with no errors.
- Selected and representative test cases demonstrating the functions and features as claimed on Vblock Systems.
- No observable performance degradation for running on Vblock Systems.
- Primary integration points (e.g., APIs, SNMP) function as intended.
- Ability to provide customer assurance that solutions are tested and will work predictably on a Vblock System.



Contact Information

François Debray, IT Channel Business Development EMEA, FrancoisDebray@eaton.com

Cécilia Monti, IT Channel Marketing EMEA, CeciliaMonti@eaton.com

For more information on Eaton integrated power management solutions for VCE: eaton.eu/VCE

ABOUT VCE

VCE, formed by Cisco and EMC with investments from VMware and Intel, accelerates the adoption of converged infrastructure and cloud-based computing models that dramatically reduce the cost of IT while improving time to market for our customers. VCE, through the Vblock Systems, delivers the industry's only **fully integrated and fully virtualized cloud infrastructure system**. VCE solutions are available through an extensive partner network, and cover horizontal applications, vertical industry offerings, and application development environments, allowing customers to focus on business innovation instead of integrating, validating, and managing IT infrastructure.

For more information, go to vce.com.



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