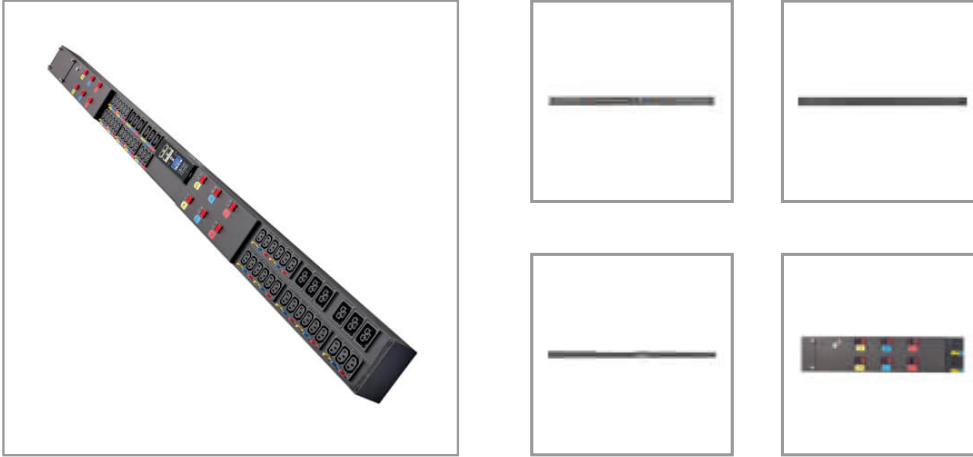




Powering Business Worldwide

3-Phase Managed HDX Rack PDU G4, 240/415V, 54 Outlets (42 C13 + 12 C39), 64A, 46kW, Hardwired Input, 0U Vertical, TAA

MODEL NUMBER: **EMAGECA5A2A5A2L**



Managed PDU with ultra-high-density power is ideal for GPU-intensive enterprise data centers, colocation data centers and edge computing applications.

Features

Provides Enterprise-Quality Power Distribution to Ultra-High-Density Rack Equipment

The EMAGECA5A2A5A2L HDX Rack PDU G4 is ideal for deployment within a rack in an enterprise data center, colocation data center or distributed IT infrastructure. Equipped to meet even the most diverse data center rack power needs, the EMAGECA5A2A5A2L delivers versatile, enterprise-quality power distribution for GPU-intensive applications like HPC, supercomputing, generative AI and high-frequency trading that require extremely high power density.

Market-Leading Cybersecurity Ensures Your Data Is Kept Safe

Chain-of-trust encryption and secure firmware boot capability prevent the HDX Rack PDU G4 from being a cyberattack vulnerability point on a network. An embedded, hot-swappable Gigabit Network Module (GNM) with menu-driven LCD offers enhanced management and cybersecurity, including zero-trust architecture, zero-touch provisioning and a user-configurable firewall.

Compatible with Brightlayer Data Centers Suite Software

The HDX Rack PDU G4 integrates smoothly via SNMP or MQTT with digital solutions from Eaton's Brightlayer Data Centers suite. This includes Distributed IT Performance Management (DITPM) and Data Center Performance Management (DCPM) software. DITPM allows you to manage and control assets installed at your remote locations, as well as proactively identify and automate actions to prevent IT equipment downtime. DCPM monitors and manages your power, space, connectivity and cooling resources across one or more facilities while charting trends, sending alerts and generating reports.

Remote Management Saves Time and Money

For smaller environments, you can connect to PDUs using a standard web browser and receive email alerts. The GNM supports performance management software for real-time reports, trend charts, dashboards and alerts that are prioritized by severity, as well as remote troubleshooting and automated responses during power events. The HDX Rack PDU G4 is compatible with up to three optional environmental monitoring probes (EMPDT1H1C2, sold separately) that provide alerts about temperature, humidity and dry-contact device connections.

Individual Outlet Monitoring and Control Boost Performance and Efficiency

All 54 outlets (42 C13 and 12 C19) provide remote control and power-cycling of connected devices to save the time and cost of site visits. You can program sequential startups to manage inrush current and

Highlights

- High-power PDU capable of supporting multiple GPU/LPU servers in a single rack
- Recommended for GPU-intensive applications like HPC and generative AI
- Hot-swappable Gigabit Network Module offers industry-leading cybersecurity
- Outlet-level control and remote management help reduce costs and increase efficiency
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

EMAGECA5A2A5A2L 3-Phase Managed HDX Rack PDU G4



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shed nonessential loads to increase the runtime of critical equipment during outages. You can even remotely shut down outlets to prevent unauthorized devices from causing overloads. Alternating-phase outlets distribute power evenly across outlet groups for balanced loading across circuits and phases.

Convenient Box-to-Rack Installation

Preinstalled toolless mounting buttons reduce installation time. Circuit breakers and corresponding outlets are distributed across the length of the PDU for easy cable routing. You can cascade up to 32 EMAGECA5A2A5A2L models with each model maintaining its own individual IP address from a single network connection point.

TAA-Compliant for GSA Schedule Purchases

The EMAGECA5A2A5A2L is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332296368
PDU Type	Managed
INPUT	
Input Phase	3-Phase
PDU Input Voltage	240/415
Nominal Input Voltage(s) Supported	220/380V 3-PH Wye; 230/400V 3-PH Wye; 240/415V 3-PH Wye
Nominal Input Voltage Description	3P: 240/415V
Recommended Electrical Service	Three-phase 415V service
Maximum Input Amps	64
Input Connection Type	Hardwire
PDU Plug Type	Hardwire
Voltage Compatibility (VAC)	240/415; 3-Phase
Input Plug Type	Hard-wire
Input Cord Details	Hardwire
Input Cord Length (ft.)	0
Input Cord Length (m)	0.00
OUTPUT	
Output Capacity (kVA)	46.08
Output Capacity (Watts)	4608
Output Capacity (kW)	46.08
Output Capacity Details	46kW (240/415V) total capacity; 64A max per output phase
Frequency Compatibility	50 / 60 Hz
Output Circuit Breakers	(12) low-profile circuit breakers. 20A (US). One circuit breaker per outlet bank.



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Nominal Output Voltage(s) Supported	240/415V
Output Receptacles	(42) C13; (12) C39
Circuit Breaker (amps)	20
Overload Protection	(12) 2-pole 20A circuit breakers
CONNECTIONS	
Ethernet Interface	Yes
Serial Interface	Yes
Daisy-chainable / Cascadable	Yes
Daisy-chainable / Cascadable Details	Cascade up to 40 PDUs
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	LCD pixel display with outlet-level readings and automatic shut-off to save energy. Set IP address, rotate display, control outlets, view alarms and read current, voltage, power and energy.
LED Indicators	Green = outlet is on Red = PDU has power but outlet is off
Current Measurement Accuracy (Amps)	+/-1%
Voltage Measurement Accuracy (Volts)	+/-1%
Power Measurement Accuracy (Watts)	+/-1%
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Aluminum
Rack Height	0U
Form Factors Supported	Vertical
Housing Color	Black
PDU Form Factor	Vertical (0U)
Shipping Dimensions (hwd / in.)	77.30 x 5.00 x 3.00
Shipping Dimensions (hwd / cm)	196.34 x 12.70 x 7.62
Shipping Weight (lbs.)	31.33
Shipping Weight (kg)	14.21
Unit Dimensions (hwd / in.)	75.980 x 4.090 x 2.480
Unit Dimensions (hwd / cm)	193 x 10.4 x 6.4
Mounting Details	Factory-installed shoulder-style aluminum mounting buttons. 61.25" center-to-center Alternative flush-style mounting buttons also included with PDU.



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ENVIRONMENTAL	
Operating Temperature Range	32° to 140°F (0° to 60°C)
Storage Temperature Range	-13° to 149°F (-25° to 65°C)
Relative Humidity	5% to 95% non-condensing
Operating Elevation	0-10000 ft. (0-3000 m)
Storage Elevation (ft.)	0-50000 ft. (0-15240 m)
COMMUNICATIONS	
Network Monitoring Port	Serial/Ethernet ports for environmental monitoring and daisy-chain connections
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 1000 Mbps
Network Speed Details	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 1000 Mbps
Network Management Card Description	Eaton Gigabit Network Module G4
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Advanced cybersecurity; Remote management of individual outlets
STANDARDS & COMPLIANCE	
Product Certifications	UL Listed; cUL Listed
Product Compliance	CE (Europe); FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty
Product Warranty Period (U.S. & Canada)	3-year limited warranty

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