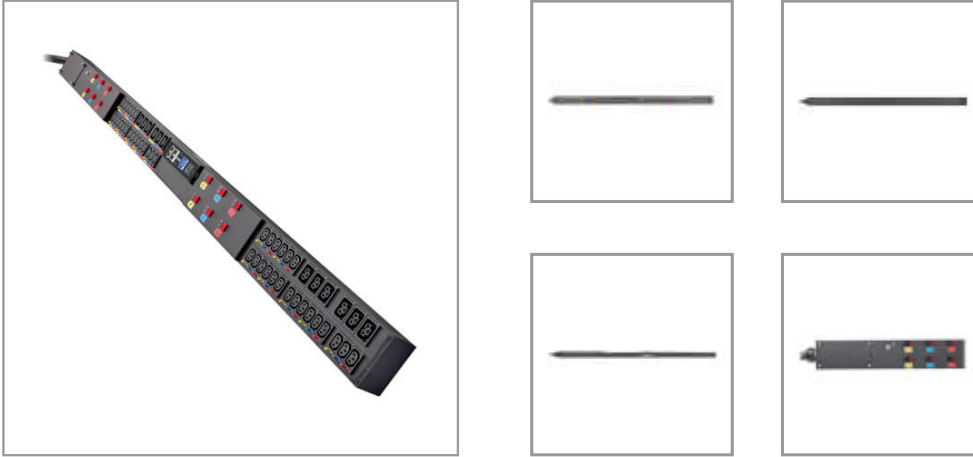




Powering Business Worldwide

## 3-Phase Managed HDX Rack PDU G4, 208V, 54 Outlets (42 C13 + 12 C39), 80A, 29kW, 4100P9W Input, 6 ft. Cord, 0U Vertical, TAA

MODEL NUMBER: **EMAGMFA5A2A5A2L**



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 EMAGMFA5A2A5A2L 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 EMAGMFA5A2A5A2L 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

The EMAGMFA5A2A5A2L features 42 C13 outlets, which accept C14 connectors, and 12 C39 combo outlets, which accept both C14 and C20 connectors, adding flexibility to deployments and reducing the

### 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

EMAGMFA5A2A5A2L 3-Phase Managed HDX Rack PDU G4



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quantity of PDU types you will need to purchase and install. All 54 outlets 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 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.

#### 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. The six-foot power cord with 4100P9W input connects to a compatible AC source. You can cascade up to 32 EMAGMFA5A2A5A2L models with each model maintaining its own individual IP address from a single network connection point.

#### TAA-Compliant for GSA Schedule Purchases

The EMAGMFA5A2A5A2L 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	037332296436
PDU Type	Managed
INPUT	
Input Phase	3-Phase
PDU Input Voltage	208
Nominal Input Voltage(s) Supported	200-240V 3-PH Delta
Nominal Input Voltage Description	3P: 208V
Recommended Electrical Service	Three-phase 208V service
Maximum Input Amps	80
Input Connection Type	4100P9W
PDU Plug Type	4100P9W
Input Cord Length Details	6ft
Voltage Compatibility (VAC)	208; 3-Phase
Input Plug Type	4100P9W
Input Cord Details	4100P9W
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
OUTPUT	
Output Capacity (kVA)	28.82
Output Capacity (Watts)	2882
Output Capacity (kW)	28.82
Output Capacity Details	29kW (208V) total capacity; 80A max per output phase



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Frequency Compatibility	50 / 60 Hz
Output Circuit Breakers	(12) low-profile circuit breakers. 20A (US). One circuit breaker per outlet bank.
Nominal Output Voltage(s) Supported	208V
Output Receptacles	(42) C13; (12) C39
Circuit Breaker (amps)	20
Overload Protection	(12) 2-pole 20A circuit breakers
<b>CONNECTIONS</b>	
Ethernet Interface	Yes
Serial Interface	Yes
Daisy-chainable / Cascadable	Yes
Daisy-chainable / Cascadable Details	Cascade up to 40 PDUs
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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%
<b>SURGE / NOISE SUPPRESSION</b>	
Automatic Shut-Off	No
<b>PHYSICAL</b>	
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



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Mounting Details	Factory-installed shoulder-style aluminum mounting buttons. 61.25" center-to-center Alternative flush-style mounting buttons also included with PDU.
<b>ENVIRONMENTAL</b>	
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)
<b>COMMUNICATIONS</b>	
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
<b>FEATURES &amp; SPECIFICATIONS</b>	
High Availability PDU Features	Advanced cybersecurity; Remote management of individual outlets
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	UL Listed; cUL Listed
Product Compliance	CE (Europe); FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty
Product Warranty Period (U.S. & Canada)	3-year limited warranty

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