

Product brochure

# Eaton High Density rack PDU

Configurability at its best!



*Powering Business Worldwide*

# More control over your power distribution

The Eaton® High Density (HD) rack power distribution unit (PDU) builds off the best-in-class power distribution of Eaton's ePDU G3 technology. With all the features you have come to expect from G3 rack PDUs, the HD rack PDU offers the additional benefits of configurability, improved outlet counts and color options.

Designed with data center customers in mind, the HD rack PDU helps you make the choices you need to save time, save money and reduce risk.

## Save time

**Configure the cord entry position and cord length** for a seamless box-to-rack transition. Combined with G3's standard tool-less mounting system, you can install your PDUs without any tool fumbling or cord wrestling.

## Save money

**High density means more outlets in the same space** and fewer PDUs to support your equipment's power needs. Configure up to 54 outlets per PDU including the new C39 outlet for future proofing your deployments.

## Reduce risk

**Easily identify where power is coming from and where it is going to** with configurable color chassis and alternating phase outlets. When it is that easy to distinguish between A and B power feeds, losing power to your IT equipment or overloading a phase is less of a risk.



## Optimize input for your environment

**Optimize your PDUs for your IT environment with configurable input options.** Create exactly what will work best in your data center.

**Input plug and cables:** Choose from multiple options, including IEC, NEMA, locking and hardwired.

**Input cord length:** While the standard 6-foot and 10-foot cords fit most cases, some environments require something special. Whether you want enough cord to reach anywhere or you're looking to reduce cable clutter, the HD rack PDU has additional options to match what you need.

**Cord entry position:** Reduce interference in racks and potential hazards by configuring your input cord for front or end entry.

## Optimize output for your environment

**Eaton's C39 outlet accommodates 15 and 20 amp input plugs.**

Like its NEMA counterpart the 5-20P, the C39 outlet allows for both 15- and 20-amp inlets, allowing both C14 and C20 plugs to connect into a singular outlet. This flexibility allows you to swap out equipment without having the inconvenience of re-ordering a new rack PDU to meet specific outlet count requirements on a per rack basis.



Eaton C39 outlet

**Simplify load balancing with alternate phase outlets.**

With alternating phases outlet-by-outlet instead of per branch, each color-coded outlet corresponds to a circuit breaker for quicker, visual identification of potential unequal power distribution. When load balancing is this straightforward, tripped breakers become a thing of the past.





## Functional chassis colors

**HD rack PDUs bring life to every gray and white space environment, while providing simplicity for A/B feed identification.** Choose from eleven color options for your PDU and communications module to rapidly identify A and B power feeds.

### Available colors

 Black	 Blue
 Red	 White
 Gray	 Brown
 Orange	 Purple
 Green	 Pink
 Yellow	

## Configurable outlet modules

**With more outlets than any other PDU, the HD rack PDU not only gives you the number of outlets you want, it also gives you the type of outlets you need.**

The HD PDU offers two configurable outlet module slots with IEC, NEMA and Eaton's C39 options. Mix and match the 15 modules to configure up to 54 outlets, with the option for fewer outlets to fit smaller racks.

The HD's outlets provide more than a place to plug in a piece of equipment. Each outlet comes complete with an IEC outlet grip and outlet-by-outlet switching and metering options. Without needing an onsite visit you can feel confident that all of your equipment is protected from accidental disconnections and no unauthorized equipment has been plugged in.



## Hot-swappable communications module

**The advanced LCD pixel display on Eaton's rack PDUs allows for easy onsite issue resolution and monitoring.**

Featuring hot-swappable technology, the communications module can be replaced without powering down your rack. Increase uptime by eliminating forced downtime and enhance the serviceability of your rack.

## Technology type

### Metered outlet PDU

Monitor and measure critical power quality factors, such as voltage, current and power consumption. This rack mounted PDU helps conserve energy with Level 3 power usage effectiveness, ideal for optimizing data center performance.

### Managed PDU

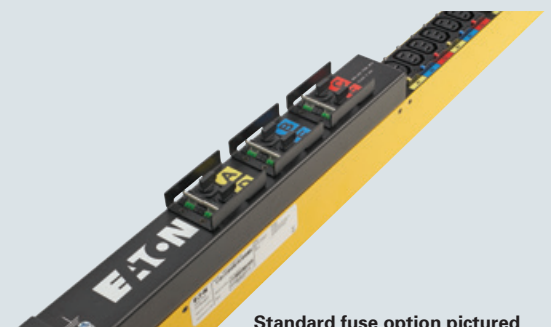
Eaton's Managed PDUs offer the same power quality measurement and monitoring capabilities as the Metered Outlet PDU with additional per-outlet switching control built in.

## Circuit protection for all voltages

**Protecting your equipment from electrical faults is serious business.**

To make sure you get exactly the protection you need, the HD rack PDU offers configurable circuit protection. With options for both circuit breakers and fused switches, you can select the best circuit protection for your electrical system.

With HD you're no longer trading adequate protection for air flow issues, either. We have done away with large protruding breaker boxes in favor of low-profile designs that enable full rack unit serviceability and bolster airflow management.



Standard fuse option pictured

Build your PDU on the screen as you select options.

Then directly request a drawing and pricing for your custom configured model. [RackPDUselector.Eaton.com](https://RackPDUselector.Eaton.com)

**EATON**  
Powering Business Worldwide Home » Rack PDU Configurator

Would you like one of our representatives to contact you? [Yes, please contact me](#)

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Eaton's rack mounted power distribution units, called ePDUs, provide power to IT equipment within a rack and include a variety of features designed to save time, save money and reduce risk. Eaton offers a tiered portfolio of ePDUs with capabilities ranging from basic power distribution to advanced power management and precision control. Use our rack PDU selector below to help choose the right solution for your specific IT needs.

[Reset](#) [Save this configuration & request pricing](#)

Input: Select... Cord Type: Select... Protection: Select... Outlet Module 1: Select... Outlet Module 2: Select... Color: Select...

\*These selections are non-standard and will result in a longer lead time.

☒ IEC 60309 332P6W 1P+N+PE 240V 30/32A ☒ Front Entry, 6 Feet ☒ 20A 1-pole 10kAIC ☒ 9xC13, 3xC19 ☒ 9xC13, 3xC19 ☒ Red

**Your Sku is: EMACEJ26TA3R2**

Input: IEC 60309 332P6W 1P+N+PE 240V 30/32A | Cord Type: Front Entry, 6 Feet | Protection: 20A 1-pole 10kAIC | Outlet Module 1: 9xC13, 3xC19 | Outlet Module 2: 9xC13, 3xC19 | Color: Red | Length: 59.02in/1499mm | Minimum Rack Units: 35

[Toggle Zoom](#)

## Technical specifications

### EATON HIGH DENSITY RACK PDU

#### General operating and unit characteristics

Electrical ratings	From 4.99 to 22 kW (selection dependent)
Temperature	0 to 60°C (+32 to 140°F)
Relative humidity	5% to 95% without condensation
Altitude	Up to 10,000 ft. (3,000m) above Mean Sea Level Derated for higher altitude applications
Technology type	Metered outlet PDU and Managed PDU
Color	Black (default), 10 additional color options available

#### Input

Input voltage options	Single-phase 208V and 230V; Split-phase 120/240V; Three-phase Wye 120/208V, Delta 208V, and Wye 230/400V (or 240/415V) input options available
Input plug	28+ plug options available (selection dependent)
Input cord length	6- and 10-ft cord lengths standard, 3- and 15-ft longer lead time (selection dependent)
Input frequency	50/60 ± 3Hz
Input voltage tolerance	+6% / -10%
Branch circuit protection	Breaker and fuse options available (selection dependent)

#### Output

Outlet types	IEC 60320 C13, IEC 60320 C19, EATON C39 (C13/C19 COMPATIBLE), NEMA 5-20R
Output voltage	100-127V or 200-240V
Outlet options	10 standard module options available, less for some input types (see details)

#### Dimensions

Overall unit (HxWxD)	Height: 1250-2445 mm / 49-96 in. (selection dependent) Width: 52 mm / 2 in. Depth: 57 mm / 2 in. (excluding outlet protrusions)
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#### Additional details

Breaker box depth	See individual unit drawing
Communication module depth	71.3 mm / 2.8 in. (easily removable in case of interference)

#### Safety standard and compliance

UL 62368-1, EN/IEC 62368-1, ROHS

To learn about the High Density rack PDU,  
visit [Eaton.com/HD](https://Eaton.com/HD)