

APC

Custom Rack Systems Catalog

When you need more than the standard offering

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Schneider Electric



Introduction

Your company is unique. Your data center should be, too.

Your wants and needs are different—so your equipment should be one-of-a-kind. Schneider Electric can outfit your entire data center in a way that will set you apart from your competitors with customizable products that are unparalleled.



Why customize?

APC Custom is an integral solution for customers who want to make sure that their data center equipment, such as racks and rack power distribution units (rPDUs), are precisely the way they want them in order to reflect their company's uniqueness.

Round out the standard portfolio

You aren't tied to a list of standard products. You can order racks and rPDUs with an almost infinite number of possibilities.

The importance of aesthetics and brand

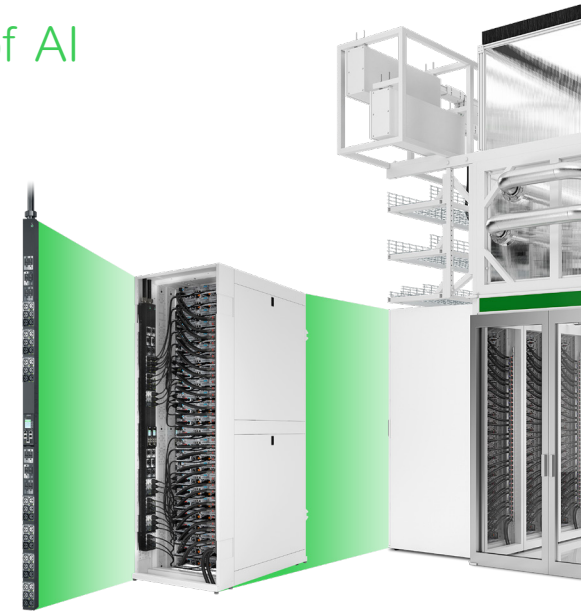
Your company spends a lot of time making sure that its look is just right. From company colors to corporate logos, we understand that you are hyperaware that your brand identity must stay consistent throughout the organization. This includes places like the data center, where customers may never visit.

The promise of Schneider Electric

Our products are the industry leader, and we go the extra mile to make sure they meet our rigorous standards. The experience, speed, flexibility, and scale are all part of the formula that makes Schneider Electric perfect for customization. Combining your needs with our expertise is a winning formula.



More than appearance: Meet the demands of AI



Custom products aren't just about making sure all your data center equipment matches. They ready your organization for the influx of new gear needed to reach your AI goals.

To properly run an AI solution, you need to deploy all sorts of new equipment, such as servers, that are often oversized. And that's before discussing the new cooling solutions needed to make sure your data center runs smoothly. This equipment quickly eats up rack space.

While Schneider has plenty of standard responses for the AI questions, sometimes a common answer won't do. For that, look to custom products where rack dimensions are larger, wider, and deeper. Plus, customize rPDUs with custom outlet placement and flexible mounting options, among other unique features.

What does Schneider Electric offer?

The combinations are almost too extensive to list. But rest assured; if you need it, we'll work with you to realize your organization's vision. This includes:

- Alternate colors for rPDUs and racks
- Your corporate logos emblazoned on your racks
- Different rack designs for various heights, widths, and depths
- Numerous styles for doors, side panels, and roofs for both server and networking configurations
- Various cable management solutions
- An assortment of input plugs and cord lengths for rPDUs

Who should consider custom offers?

The simple answer is anyone. Custom offers show that you are serious about your brand identity and moving it forward everywhere possible, including your data center. And with the explosion of AI deployments, getting enclosures that precisely fit your new equipment is a necessity.

Examples of organizations who have chosen customizable offers:

- Medium- and large-sized data centers
- Organizations that are involved with heavy computing (such as AI) and enterprise systems
- Government institutions
- Banking and financial companies

Custom Rack Power Distribution (rPDU)

Thanks to the location of our factories, when it comes to rPDUs, the time to receive your custom order is shorter than you might think.

Customizable options

Input cord length: Sometimes you don't need a long cord, and other times you need one longer than the standard. You determine how to solve cable congestion by telling us exactly how long your input cord should be. Aside from making your data center look cleaner, you get better cable and airflow management.

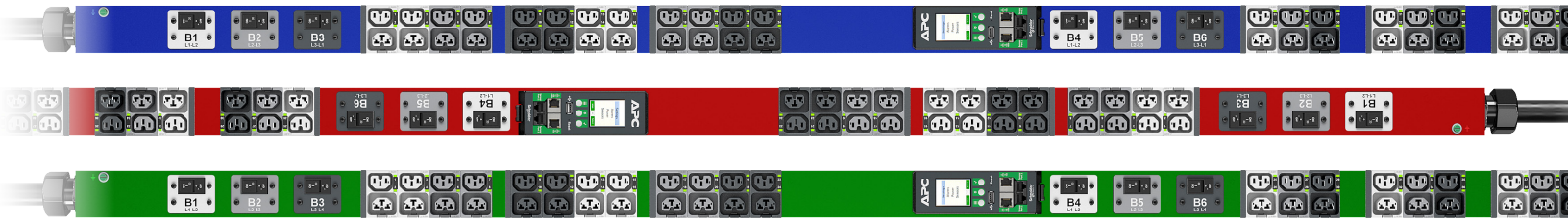
Input cord plug type: Why go through the trouble of getting a batch of rPDUs and then paying a certified electrician to remove the incorrect plug types and replace them with the ones you need? Get the plug types you need installed the way you want them—at no extra charge.



The rPDU rainbow is yours: Choosing a color for your rPDU isn't frivolous. There are plenty of reasons why color coding is important. A specific color of the rPDU's surface or input and power cord could read as a warning to the user, reducing human error and injury. When you contact our customer specialists, they have a list of colors for you to choose from.

Tell us where to go: When you order a rack and rPDU together, you tell us where in the rack to install the rPDU, whether horizontally or vertically. No need to install it yourself—that's a real time saver!

It's an easy configuration: Using the Schneider Electric Design Portal streamlines the ordering process. It allows for simple selections and integrations with other designs.



These custom features are perfect for deploying an AI solution. Due to the size of some AI equipment, your rPDU may need some adjusting. That adjustment can occur on multiple levels: whether it's rPDU placement in a rack, the type of input cord plug, or the cord length. Your AI solution is one of your most important and expensive deployments. Don't cut corners. All AI equipment should be given the proper power.

Custom Racks

Racks differ from rPDUs because there are more options to explore. However, that doesn't mean it will take forever to get your enclosures. With our various factory locations, your custom order lead time won't be very long.

Whether it's cooling or oversized servers, your AI solutions take up a lot of real estate in your data center. Not only that, but an AI solution is expensive—probably the most costly project that your team will deploy in some time.

While Schneider has plenty of rack solutions that will easily fulfill your AI storage needs, if you're thinking bigger, wider, or deeper racks—we have you (and your AI solution) covered. From extra-deep racks to wide-width cabinets to extra-tall enclosures, you can be confident that your AI solution will be secure and running safely.

Customizable options

Large cable volumes may necessitate swapping out a standard roof. Alternate roof designs include:

- Server or networking
- Fan tray
- Open roof bridge
- No roof at all

If you want to pass cables between cabinets, consider removing the rack's solid side panels and replace with:

- Pass-through brush strips
- Side panels only where needed
- No side panels at all

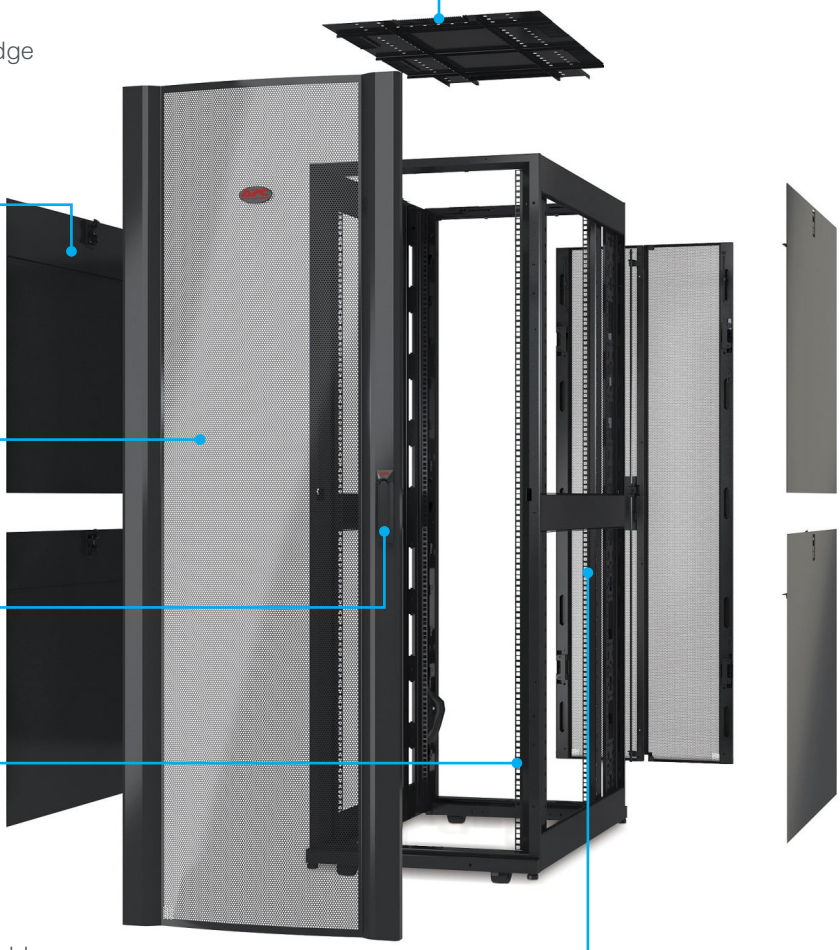
Alternate door configurations include:

- Single or split doors in either the front or back
- No doors at all

Standard style handles can be replaced with combination handles.

Not all equipment is a standard size. This means you may need to change the standard mounting rails. Choose a specific depth with alternate mounting holes.

Add vertical zero U accessory channels. This pre-integration allows for quicker installation of rPDUs and cable management accessories. And channel design provides superior utilization of the left and right sides of the cabinet.



Custom Racks (continued)

You can combine the above customizable options with:

- Shallow-depth racks (825 or 915 mm): Perfect for tight spaces that a standard depth (1070 mm) can't fit.
- Extra-deep racks: High-density applications require more power and space, necessitating deep racks (1600 mm).
- Wide-width cabinets: Need more space for cable routing and airflow? Wide width (800 mm) cabinets will fit the bill over the standard width (600 mm).
- Extra-tall racks: Sometimes a 52U rack won't cut it. With racks that run up to 60U, you can maximize every inch of your data center space.
- Short racks: These racks that measure less than 24U allow you to securely and safely store equipment in tight spaces.
- Add-on spaces: Two things can be true at the same time. You might be perfectly happy with your current rack situation, but space is slowly becoming a premium. Attaching a rack accessory onto any installation increases current rack U-space.
- Unique designs for wall mount units (4U): Wall-mounted units save floor space, but sometimes wall space is limited, too. These shallow, low-profile enclosure designs are perfect for housing equipment in those cramped walled spaces.
- The bare necessities: Sometimes your solution calls for a rack without side panels, front and rear doors, and a roof. Equipped with just vertical mounting rails and castors that come with adjustable level feet, this is the most minimal that a rack can get.



Branding



Your customizable journey at Schneider Electric is not only about making sure your equipment meets your needs. What's also important is making sure that your racks and rPDUs look the way you want as well.

Rack branding includes:

- Logo badges with your unique corporate logo or artwork screen printed or molded to the enclosure
- Custom fabricated metal work

Color coding

There's a lot of reasons why you'd choose different colors for your equipment—and they're not just aesthetic-based.

Whether it's to properly identify differing power sources or to choose distinct colors that define voltages or phases, employee safety is often a key element in color choice. Separate colors also can help speed troubleshooting and improve consistency, both of which help reduce service errors and augment operational clarity.

Take the time to choose a component color and finish that is modified to meet color requirements for an rPDU.

Component modifications

If you don't need certain parts of your new rack, there's no law that says you need to order them. Deciding on a unique rack side panel or doors can help to match branding or color coding. But most of all it helps with cable routing and airflow.

Get started

To get started on your custom journey:

- Visit our **custom projects site**
- Email **customracks@se.com**

A solutions rep will be happy to talk you through what you need and how Schneider can make your vision a reality.

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