

Custom Rack Systems

Assembled & Configured-to-Order or Completely Customized Rack Systems & Rack Power Distribution

Offering customization services to our data center customers with Cabinets and Rack Power Distribution products. Your customer's needs, our engineering expertise. Dedicated engineering team to define needs, set expectations, build prototypes, co-engineer and execute a customized solution.

www.apc.com/Custom-Rack-Systems





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Assemble & Configured to Order

Standardized to "Your" specifications

Configure-to-Order Rack Power Distribution

> Variety of Rack PDU types

> Change input plugs, modify input cord length, and modify the Rack PDU color

> Configuration in an online Design Portal tool

> Minimum order as low as 20 units!





Assemble-To-Order (ATO) Cabinets

> Standard NetShelter SX cabinets with only the parts required

 Remove or change cabinet components - No doors, split front doors, no sides, etc.

> No minimum order quantity



Custom Rack PDUs

Ability to customize Rack PDUs within our factories locally and pre-configure them to meet your needs. Some options configured in **as little as 2 weeks with a minimum order quantity of 20!**

Length Pre-configuration of Input Cord

Alleviate cable congestion by shortening unnecessary cord aiding in better cable and airflow management.

Plug Type Pre-configuration of Input Cord

Avoid costly field modifications and downtime due to incorrect wiring by having done in the factory versus a certified electrician.

Color Coding Rack PDUs

Colorcoding is proven to provide many benefits most importantly reducing human error, the major culprit of downtime. Foolproof by colorcoding every aspect including Rack PDU surface, input, and power cords.

Configuration

Color Changes

Our Custom Rack PDU designs can now be configured in our Schneider Electric Design Portal for simple selection & integration with other designs streamlining and digitizing the design and ordering process. 1



US Manufacturing Capabilities:

- Regional manufacturing & distribution center capabilities to customize from stock
- Rapid Prototype Lab
 - 4200 sq ft dedicated lab space in St Louis Missouri
 - Component inventory, assembly, test, for fast builds
 - 50% faster response for time



So much more!

Other customization capabilities include new outlet wiring, configurations, additions, and layouts for completely new designs.

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Cord length

Plug changes

1. Design Portal is limited to select, premier, and elite channel partners. Contact your local APC sales representative or visit apc.com/custom-rack-systems to submit a request.



Cabinets

Assemble to Order

General ATO Process

The Cabinet ATO (Assemble-to-Order) provides a level of customization for cabinet customers beyond the standard cabinet SKUs. This customization is limited to the assembly of the cabinet itself and now a selection of cable managers and Rack Power Distribution Units (PDUs). For example, the cabinet can be assembled without sides, doors, or a roof. In addition, special mounting rails can be installed in place of the standard square hole rails for customers requiring threaded options or 23" EIA mounting. This system is not driven from an online build-out-tool such as the ISX Designer. To request an ATO cabinet configuration please contact an APC sales representative by visiting: <u>APC.com Contact Sales Support Site</u> or email <u>customracks@schneider-electric.com</u>.

Common ATO Configuration Reference (without doors, without sides, without doors & sides)

For common requests, such as cabinets without sides or without sides and doors, generic part numbers have been setup to provide faster assistance. For other configurations please contact an APC sales representative by visiting: <u>APC.com Contact Sales Support Site</u> or email <u>customracks@schneider-electric.com</u>.

NetShelter SKU	Height	Width	Depth	Application
AR3100 ⁹	42U	24 in.	42 in.	Low/medium-density servers
AR3105	45U	24 in.	42 in.	Low/medium-density servers
AR3107 ⁹	48U	24 in.	42 in.	Low/medium-density servers
AR3150 9	42U	30 in.	42 in.	Networking and blade applications
AR3155	45U	30 in.	42 in.	Networking and blade applications
AR3157 9	48U	30 in.	42 in.	Networking and blade applications
AR3300 ⁰	42U	24 in.	47.5 in.	Medium/high-density servers
AR3305	45U	24 in.	47.5 in.	Medium/high-density servers
AR3307 9	48U	24 in.	47.5 in.	Medium/high-density servers
AR3350 9	42U	30 in.	47.5 in.	HD networking and blade applications
AR3355	45U	30 in.	47.5 in.	HD networking and blade applications
AR3357 9	48U	30 in.	47.5 in.	Networking and blade applications
AR3140	42U	30 in.	42 in.	High-density networking
AR3340	42U	30 in.	47.5 in.	Very high-density networking
AR3347	48U	30 in.	47.5 in.	Very high-density networking
AR3200	42U	24 in.	42 in.	2 x 20U compartments for colocation
AR3104	24U	24 in.	42 in.	Remote server applications
AR3810	42U	24 in.	32.5 in.	Audiovisual applications
AR3812	42U	24 in.	32.5 in.	Audiovisual applications
AR3814	24U	24 in.	32.5 in.	Audiovisual applications

The following can be preconfigured without standard doors and side panels. Reference part numbers AR3___X609 for no sides, AR3___X610 for no doors, and AR3___X617 for no sides/no door.



Cabinets

Assemble to Order

Cabinet Modifications or Cabinet Component Changes

Modify the standard cabinet to meet specific needs or change out the interchangeable components with other accessory components to meet the need of the application. For example:

- > Expecting very large cable volumes? Swap out the standard roof for a networking style
- > Unique equipment with mounting requirements for AV? Have the standard equipment mounting rails replaced with 10-32

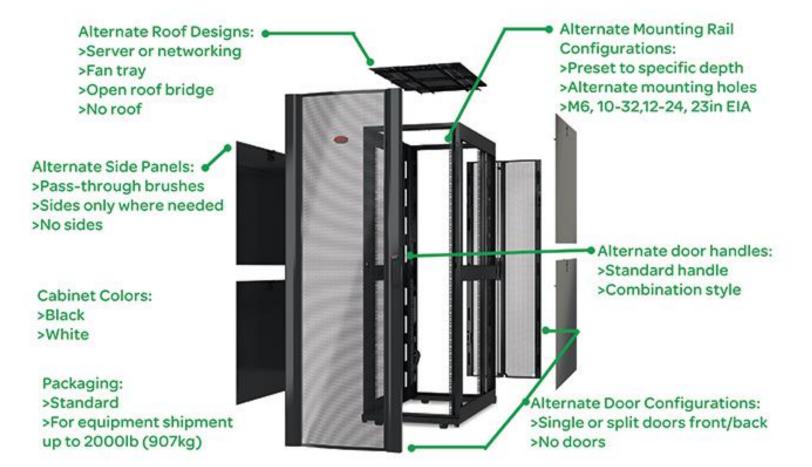
> Planning for passing of cabling between cabinets? Have side panels with pass-through brush strips installed instead of solid sides.

> Colocation requirement for all combination style handles? Replace the standard with a combination style.

> Any of the modifications above for a rack-and-stack project? No problem, choose whether to use standard or shock packaging for equipment shipment up to 2000lb (900kg)

All of these modifications and more can be done at the factory saving installation and setup time upon the arrival of the cabinet at the end user site.

Cabinet Component Changes – Choose from:



Now Save More on Installation & Shipping with Pre-Integrated Accessories!



Assemble to Order

Pre-integrated Accessories

NetShelter SX Rear Vertical Zero U Accessory Channels enable pre-integrated cabinet solutions with Rack PDUs & Cable Management Accessories for fastest installation time!

Industry Pioneer of Toolless Accessory Integration

Industry leader by providing vertical 0U accessory channels as part of the standard cabinet to enable pre-racked Rack PDU and Cable Management.



2 x Mounting Bays Per Channel

> Accessories designed to occupy one bay > Place accessories side-byside in the channel > For example 2 vertical Rack PDUs per channel > 42in (1070mm) Deep cabinets provided with 2 channels with up to 4 Rack PDUs or Cable Managers installed per cabinet > 48in (1200mm) Deep cabinets provided with 4 channels with up to 8 Rack PDUs or Cable Managers installed per cabinet (excluding AR3x4x cabinets, 2 channels only)

Channel Designed for Accessorizing both Left / Right Side of Cabinet

- > Large rectangle cutouts for cable passthrough to adjacent enclosure
- > Medium rectangle for toolless mounting AR8444 fiber spools
- > T-shape cutout for hook-and-loop or cable ties AR8621
- Square holes for cage nut fasteners or toolless quarter turn fasteners AR8621 or AR7540
- > Tear drop cutout for vertical Rack PDUs and Cable Managers





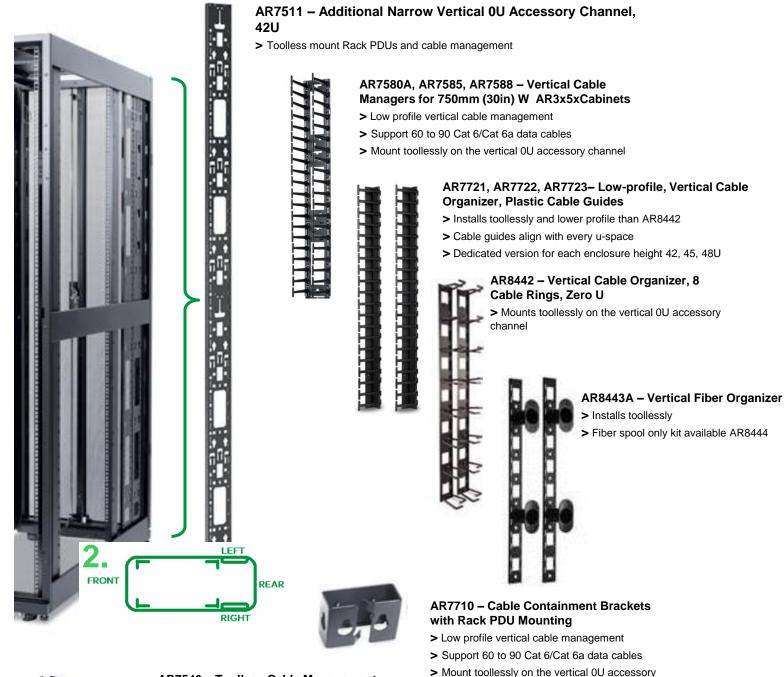
Cabinets & Accessories

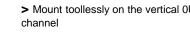
Assemble to Order Preconfigured Cabinets with **Cable Management**

Steps:

- 1. Select cable manager (s)
- 2. Select placement front/rear & left/right

1. Select





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AR7540 – Toolless Cable Management Ring

> Low profile vertical cable management

- > Mount toollessly on the vertical OU accessory channel
- > Quantity of 10

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- > Dedicated version for each enclosure height 42, 45, 48U

Cabinets & Accessories

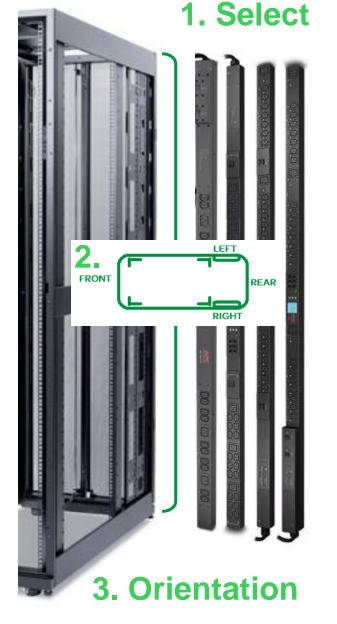
Assemble to Order Preconfigured Cabinets with Rack PDUs

Steps:

- 1. Select Rack PDU (s)
- 2. Select placement at the rear of the cabinet-

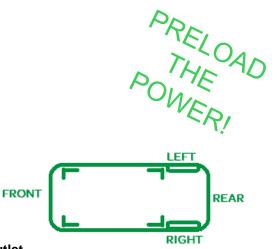
left/right

3. Select input cord orientation -up/down



For a comprehensive list visit <u>www.apc.com</u> Rack Power Distribution.

Need help selecting? Rack PDU Selector http://www.apc.com/tools/selector/pdu/in dex.cfm



Switched with Metering By Outlet

- > Provide greater power management
- > Individual outlet-level power metering

> User-resettable energy (kWh) logs for capacity planning and energy-efficiency initiatives

Rated Input Voltage	Input Circuit	Nominal Power	Input F	Plug Type	Output Receptacles		Cord Length	APC SKU
100-240	20A	3.3kW	(ð)	NEMA L6-20P	83 [7]	(21)C13, (3)C19	3.0 m	AP8659NA3
100-240	20A	3.3kW	Υ.	IEC-320 C20	83 🐨	(21)C13, (3)C19	Inlet	AP8659
200-240	30A	5.0kW	(28)	NEMA L6-30P	813 TT	(21)C13, (3)C19	3.0 m	AP8641
208	20A, 3Φ	5.7kW	9	NEMA L21- 20P	$C_{1} \approx$	(21)C13, (3)C19	1.8 m	AP8661
400-415	16A, 3Φ	11kW	19. 19.	IEC309-16A 3P+N+PE	8:3 [17]	(21)C13, (3)C19	1.8 m	AP8681

Switched Rack PDU

- Metered functionality
- > Individual outlet control to power cycle outlets
- > Manage on/off equipment sequencing

Rated Input Voltage	Input Circuit	Nominal Power	Input	Plug Type	Output Receptacles		Cord Length	APC SKU
120	20A	1.9kW	(5)	NEMA L5-20P	:#:	(24)5-20	3.0 m	AP8930
120	30A	2.9kW	(5 <u>5</u>)	NEMA L5-30P		(24)5-20	3.0 m	AP8932
100-240	20A	3.3kW	(5)	NEMA L6-20P	83 [4]	(21)C13, (3)C19	3.0 m	AP8959NA3
200-240	30A	5.0kW	(9)	NEMA L6-30P	818 844	(21)C13, (3)C19	3.0 m	AP8941
208	30A, 3Φ	8.6kW	10	NEMA L21- 30P	843 [11]	(21)C13, (3)C19	1.8 m	AP8965
200-240	50A. 3Φ	12.5kW	(i)	CS8365C	83 1	(21)C13, (3)C19	1.0 m	AP7968
200-240	50A, 5Φ	12.3KVV		C38305C		(21)013, (3)019	3.0 m	AP7998
400-415	16A, 3Φ	11kW	Ŷ	IEC309-16A 3P+N+PE	8:5 17	(21)C13, (3)C19	1.8 m	AP8981

Metered Rack PDU

> Real-time remote monitoring of connected loads

> User-defined alarms warn IT and data center managers of potential circuit over loads to prevent accidental power loss to critical equipment

Rated Input Voltage	Input Circuit	Nominal Power	Input I	Plug Type	Outpu	t Receptacles	Cord Length	APC SKU
100-120	20A	1.9kW	(5)	NEMA L5-20P	.ñ.	(24)5-20	3.0 m	AP8830
100-240	20A	3.3kW	(5)	NEMA L6-20P	848 (* *)	(18)C13, (2)C19	3.0 m	AP8858NA3
200-240	30A	5.0kW	(5)	NEMA L6-30P	8:3 N	(36)C13, (6)C19	3.0 m	AP8841
120/208 3Ø	20A, 3Φ	5.7kW	8	NEMA L21- 20P	8:0 (M) (A)	(36)C13, (6)C19, (2)5-20	1.8 m	AP8861
120/208 3Ø	30A, 3Φ	8.6kW	9	NEMA L21- 30P	843 (M) (A)	(36)C13, (6)C19, (2)5-20	1.8 m	AP8865
200-240	50A, 3Φ	10.0kW	()	CS8365C	818 [77]	(36)C13, (6)C19	1.8 m	AP8868
200-240	60A, 3Φ	17.3kW	*	IEC309-60A 3P+PE	848 [77]	(6)C13, (12)C19	1.8 m	AP8866
400-415	16A, 3Φ	11kW	÷	IEC309-16A 3P+N+PE	918 [W]	(36)C13, (6)C19	1.8 m	AP8881

Basic Rack PDU

> Reliable power distribution





Co-Engineered Designs

Simplifying and streamlining unique requests

- Schneider Electric brings unparalleled engineering and supply chain knowledge to the custom rack market with Completely New Cabinets and Rack PDUs Designs
- Offering dedicated services to our Datacenter customers
- A co-engineered solution, customers needs, our engineering expertise
- > Dedicated engineering team to define needs, set expectations, build prototypes, co-engineer and execute on solutions



Unique Color Options for Aesthetics or Corporate Branding



New Heights up to 60U

Ground up design capabilities

 > Unique cabinet colors, dimensional changes, Rack
 PDU outlet configurations

> New cabinet, airflow management, and accessory designs that may/may not leverage standard product offering



New Outlet Configurations

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Branding

Specialized Branding with Cabinet and Rack Components

NetShelter SX cabinets and Rack PDUs modified to meet unique requirements to align with brand standards, logos, campaigns or just simply data center documentation.

FRONT DOOR BRANDING

 > Logo badges with unique logo or artwork screen printed or molded
 > Custom fabricated metal work





DELL

COMPONENT MODIFICATIONS

> Unique side panel or door to match branding or color coding

COLOR CODING

> Component color and finish modified to meet color requirements





BLOCK

Description	Part #
Custom Front Door Badges	For requests see contact information below
Blank Front Door Badges	AR7001X384
VBLOCK Side Panel for NetShelter SX 42U x 1200mm Deep Enclosure, Black	AR7303X261
NetShelter SX and Rack Power Distribution Color Coding	For requests see contact information below



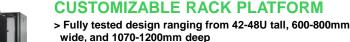
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Architecture

High Strength NetShelter SX IT Cabinet and Shock Packaging System

"Rack and stack" made Easy for Equipment Integrators Shipping Converged and Hyperconverged systems weighing up to 3500lb!





> Additional heights/depths tailored to your needs

> Height matches NetShelter SX platform for compatibility with APC 3ph power and cooling platforms



VERTICAL & HORIZONTAL STIFFENERS

> Additional bracing with thicker gauge metal to support center and front to rear with increased IT loads > No interference with EIA 19in equipment space

ROBUST EQUIPMENT

High Strength



FASTENING SYSTEM

> Additional bracing to support increased IT loads

> Robust mounting rails thicker gauge metal

Standard

Standard 600mm Wide for comparison

HEAVY DUTY CASTORS / LEVELING FEET / CABINET BASE

> Easy maneuver castors fully rated to support rolling loads up to 3500lb static load rating of 4200lb

COMPLETE OUTER WRAP & PROTECTIVE FRONT/REAR SIDE INSERTS

> Conceals cabinet contents and shields equipment from dust and debris

MULTI-LAYER PALLET & RE-USABLE RAMP

> Absorbs impact and vibration during transit

> Ramp supplied separately to safely remove the heavy loaded rack from pallet



Description

NetShelter SX High Strength IT Cabinet with doors/sides/roof

For requests see contact information below

*For orders, pricing, & availability please view the price book & contact the Customization Technical assistance group at dcs-eto@schneider-electric.com or via the APC.com Contact Sales Support Site.

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High Strength 600mm Wide

Cabinets designed to safely load, transport, unload and deploy a cabinet with up to 3500lb (1600kg) of IT equipment installed.



Architecture

Hyperscale V2 Rack System

Extending Schneider Electric's global rack expertise into hyperscale applications



Offer Features:

• Supports 21" mounting IT assets.

• Dynamic weight loading capacity of over 3,000lbs – suitable for shipping fully populated.

• Single 12vDC busbar for power distribution to IT assets.

• Backwardly compatible to v1, utilizing three busbar design.

• OU spacing of 48mm.

• Dual 'power zones' for installation of powershelf systems.

• Front oriented cable management zone, suitable for routing data cabling overhead or underfloor.

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• Shock packaging available for transportation of fully loaded racks.

Hyperscale Rack Systems

Schneider Electric, a global leader in IT rack systems, has extended its design, manufacturing and global distribution capabilities to address the rapidly growing hyperscale market.

Offering a range of standard hyperscale rack platforms, and extensive experience in developing new hyperscale rack platforms from the ground up, Schneider Electric leverages its vast Data Center experience to help you with your hyperscale needs.

Description	Part #
NetShelter for Hyperscale	For requests see contact information below



Color

White Data Center IT Cabinets with Unique Dimensions

With white NetShelter SX cabinets now a standard offer, taller sizes than the standard 42U are now being requested to support more u-space in the same cabinet footprint.

CABLE ACCESS ROOF

- > Five access holes with brush strips for cable passthrough, 3 without for PDU cable routing
- > Two spring loaded pins allow for easy roof removal and installation with cables in place



EASILY ADJUSTABLE VERTICAL **MOUNTING RAILS**

- > Quickly in 1/4in increments and align adjusted rails with easy alignment feature
- > Simple screw and cam engagement with captive screws
- > Numbered U positions



REMOVABLE SIDE PANELS AND FRONT/REAR DOORS

- > Half height side panels for easy and safe handling
- > Quick release latch on side panels
- > Lockable same key for doors/side panels
- > Cabinet width the same with or without sides installed
- Perforated front and rear doors



VERTICAL 0U ACCESSORY **CHANNEL**

- > Toollessly mount cable management accessories or directly fasten cable bundles
- > Toollessly mount zero U rack power distribution options and save valuable rackmount space

Description	Part #
NetShelter SX 48U 600mm Wide x 1070mm Deep Enclosure with Sides SE White	AR3107W*
NetShelter SX 54U 600mm Wide x 1070mm Deep Enclosure with Sides, SE White	AR3107WX612*
NetShelter SX 54U 800mm Wide x 1070mm Deep Enclosure with Sides, SE White	AR3187WX612*
NetShelter SX 54U 800mm Wide x 1200mm Deep Enclosure with Sides, SE White	AR3387WX612*







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AR3340W





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Color

Grey Data Center IT Cabinets

Schneider Electric NetShelter SX Enclosures now available in Grey RAL7035 Color. Exclusively available for use at existing sites or new sites with lighting initiatives!

REMOVEABLE CABLE ACCESS ROOF

- > Cable access slots with brush strips
- > Two spring loaded pins allow for easy roof removal and installation with cables in place

EASILY ADJUSTABLE VERTICAL MOUNTING

- > To align, match the shapes along the side brace to the visible shapes shown through the opposite rail
- > Simple screw and cam engagement with captive screws
- > Easily align rails and adjust in 1/4 inch increments
- > Toollessly mount busbars
- > Numbered U positions

REMOVABLE SIDE PANELS AND FRONT/REAR DOORS

- > Half height side panels for easy and safe handling
- > Quick release latch on side panels
- > Lockable same key for doors/side panels
- > Enclosure width the same with or without sides installed
- > Perforated front and rear doors
- > Split rear doors for better clearance in aisle

VERTICAL 0U ACCESSORY CHANNEL

- Toollessly mount cable management accessories or directly fasten cable bundles
- > Toollessly mount power distribution

CASTORS AND ADJUSTABLE

LEVELLING FEET

- > Both are pre-installed and standard on all enclosures
- Levelling feet easily adjustable from the top down

Part #
AR3100G*
AR3180G*
AR3187G*
AR3300G*
AR3307G*
AR3387G*



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Data Center IT Cabinet with Shallow Depth

Shallow depth for tight spaces that a standard 42in (1070mm) Depth cabinet cannot fit. Designed for AV purpose built for IT.



STANDARD OR CONDUIT ROOF

- > Standard roof for AR3105X418
- > Two spring loaded pins allow for easy roof removal and installation with cables in place
- Shallow depth options of 825mm include:
 > Four removable conduit access panels with holes varying in size and two cable access slots with brush strips for air containment



EASILY ADJUSTABLE VERTICAL MOUNTING RAILS

- > To align, match the shapes along the side brace to the visible shapes shown through the opposite rail
- > Simple screw and cam engagement with captive screws
- > Easily align rails and adjust in 1/4 inch increments
- > Toollessly mount busbars on shallow depth 825mm options
- > Numbered U positions



REMOVABLE SIDE PANELS AND FRONT/REAR DOORS

- > Half height side panels for easy and safe handling
- > Quick release latch on side panels
- > Lockable same key for doors/side panels
- Enclosure width the same with or without sides installed
- > Perforated front and rear doors
- > Split rear doors for better clearance in aisle

VERTICAL 0U ACCESSORY CHANNEL

- Toollessly mount cable management accessories or directly fasten cable bundles
- > Toollessly mount power distribution
- > Toollessly mount busbars



CASTORS AND ADJUSTABLE LEVELLING FEET

- > Both are pre-installed and standard on all enclosures
- > Levelling feet easily adjustable from the top

down

Description	Part #
NetShelter SX 45U 600mm Wide x 915mm Deep Enclosure with Sides, Black	AR3105X418*
Other Shallow Depth Options to Consider	
NetShelter SX 24 & 42U 600mm Wide x 825mm Deep Enclosure with Sides Black	Avail via ATO*
StandardShallow Design for Audio/Visual Applications	
NetShelter SX 42U 600mm Wide x 825mm Deep Enclosure with Sides Black	AR3810
NetShelter SX 24U 600mm Wide x 825mm Deep Enclosure with Sides Black	AR3812
NetShelter SX 42U 600mm Wide x 825mm Deep Enclosure without Sides Black	AR3814

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Unique Dimensions

Data Center IT Cabinet Extra Deep

Extra deep for high density applications which require more power and space. Designed for high performance / super computing in mind.

EXTRA DEEP FRAME

> Deep frame attaches to standard NetShelter SX cabinet frame to provide additional depth required for deeper IT equipment chassis and attached power and network connectivity cabling



ADDITIONAL VERTICAL 0U ACCESSORY CHANNELS

- > Additional sets of accessory channels to add more Rack PDUs to the standard configuration and support these high density configurations
- Toollessly mount cable management accessories or directly fasten cable bundles
- > Toollessly mount power distribution
- > Toollessly mount busbars



REMOVEABLE SIDE PANELS

- > Half height side panels for easy and safe handling
- > Lockable same key for doors/side panels
- > Enclosure width the same with or without sides installed
- > Additional side panels for the deep frame assembly



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Fr	ont	Rear
Description	Part #	
NetShelter SX 42U 600mm Wide x 1600mm Deep Enclosure with Sides Black	AR3300X754*	



open



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Unique Width Data Center IT Cabinet

Alternate cabinet widths to meet data center IT cabinet specifications driven by the surrounding environment or unique space requirements



Standard Width

700mm Width

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800mm Width

Description	Part #
NetShelter SX 42U 800mm Wide x 1070mm Deep Enclosure with Sides Grey	AR3180G*
NetShelter SX 42U 800mm Wide x 800mm Deep Enclosure with Sides Black	AR3180X719*
NetShelter SX 48U 800mm Wide x 1070mm Deep Enclosure with Sides Grey	AR3187G*
NetShelter SX 54U 800mm Wide x 1070mm Deep Enclosure with Sides, SE White	AR3187WX612*
NetShelter SX 50U 800mm Wide x 1070mm Deep Enclosure with Sides Black	AR3187X507*
NetShelter SX 42U 700mm Wide x 1200mm Deep Enclosure with Sides Black	AR3330X266*
NetShelter SX 42U 800mm Wide x 1200mm Deep Enclosure with Sides Black	AR3380X266*
NetShelter SX 46U 800mm Wide x 1200mm Deep Enclosure with Sides Black	AR3380X422*
NetShelter SX 48U 800mm Wide x 1200mm Deep Enclosure with Sides Grey	AR3387G*
NetShelter SX 54U 800mm Wide x 1200mm Deep Enclosure with Sides, SE White	AR3387GWX612*
NetShelter SX 50U 800mm Wide x 1200mm Deep Enclosure with Sides Black	AR3387X507*



Unique Dimensions

Data Center IT Cabinet Above 48U

Maximize every cabinet floor space with cabinets taller than the standard 48U that offer more u-space per rack space.



CABLE ACCESS ROOF

> Five access holes with brush strips for cable passthrough, 3 without for PDU cable routing
 > Two spring loaded pins allow for easy roof removal and installation with cables in place

EASILY ADJUSTABLE VERTICAL MOUNTING RAILS

- > Quickly in 1/4in increments and align adjusted rails with easy alignment feature
- > Simple screw and cam engagement with captive screws
- > Numbered U positions

REMOVABLE SIDE PANELS AND FRONT/REAR DOORS

- > Half height side panels for easy and safe handling
- > Quick release latch on side panels
- > Lockable same key for doors/side panels
- > Cabinet width the same with or without sides installed
- Perforated front and rear doors

VERTICAL 0U ACCESSORY CHANNEL

- > Toollessly mount cable management accessories or directly fasten cable bundles
- > Toollessly mount zero U rack power distribution options and save valuable rackmount space

Description	Part #
NetShelter SX 54U 600mm Wide x 1070mm Deep Enclosure with Sides, SE White	AR3107WX612*
NetShelter SX 50U 600mm Wide x 1070mm Deep Enclosure with Sides Black	AR3107WX507*
NetShelter SX 54U 800mm Wide x 1070mm Deep Enclosure with Sides, SE White	AR3187WX612*
NetShelter SX 50U 800mm Wide x 1070mm Deep Enclosure with Sides Black	AR3187X507*
NetShelter SX 50U 600mm Wide x 1200mm Deep Enclosure with Sides Black	AR3307X507*
NetShelter SX 54U 600mm Wide x 1200mm Deep Enclosure with Roof and Sides, Black	AR3307X612*
NetShelter SX 52U 600mm Wide x 1200mm Deep Enclosure with Sides Black	AR3307X674*
NetShelter SX 54U 750mm Wide x 1200mm Deep Networking Enclosure with Sides	AR3347X612*
NetShelter SX 52U 750mm Wide x 1200mm Deep Enclosure with Sides, Networking Roof, Black	AR3357X498*
NetShelter SX 52U 750mm Wide x 1200mm Deep Enclosure with Sides Black	AR3357X674*
NetShelter SX 52U 750mm Wide x 1200mm Deep Enclosure Without Sides Black	AR3357X697*
NetShelter SX 54U 800mm Wide x 1200mm Deep Enclosure with Sides, SE White	AR3387WX612*
VetShelter SX 50U 800mm Wide x 1200mm Deep Enclosure with Sides Black	AR3387X507*





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*For orders, pricing, & availability please view the price book & contact the Customization Technical assistance group at <u>dcs-eto@schneider-electric.com</u> or via the <u>APC.com Contact Sales Support Site</u>.

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Data Center IT Cabinet Below 24U

A design for less than 24U meets specific height restrictions for tight spaces that still require a standard IT cabinet design and depth for server applications.



CABLE ACCESS ROOF

- > Five access holes with brush strips for cable passthrough and for maintaining air containment, three access holes for power distribution
- > Two spring loaded pins allow for easy roof removal and installation with cables in place



EASILY ADJUSTABLE VERTICAL MOUNTING RAILS

- > To align, match the shapes along the side brace to the visible shapes shown through the opposite rail
- > Simple screw and cam engagement with captive screws
- > Easily align rails and adjust in 1/4 inch increments
- > Numbered U positions

REMOVABLE SIDE PANELS AND FRONT/REAR DOORS

- > Half height side panels for easy and safe handling
- > Quick release latch on side panels
- > Lockable same key for doors/side panels
- > Enclosure width the same with or without sides installed
- > Perforated front and rear doors
- > Split rear doors for better clearance in aisle



VERTICAL 0U ACCESSORY CHANNEL

- Toollessly mount cable management accessories or directly fasten cable bundles
- > Toollessly mount power distribution



CASTORS AND ADJUSTABLE LEVELLING FEET

> Both are pre-installed and standard on all enclosures

Part # AR3100X772*

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 Levelling feet easily adjustable from the top down

Description

NetShelter SX 17U 600mm Wide x 1070mm Deep Enclosure with Sides Black

by Schneider Electric

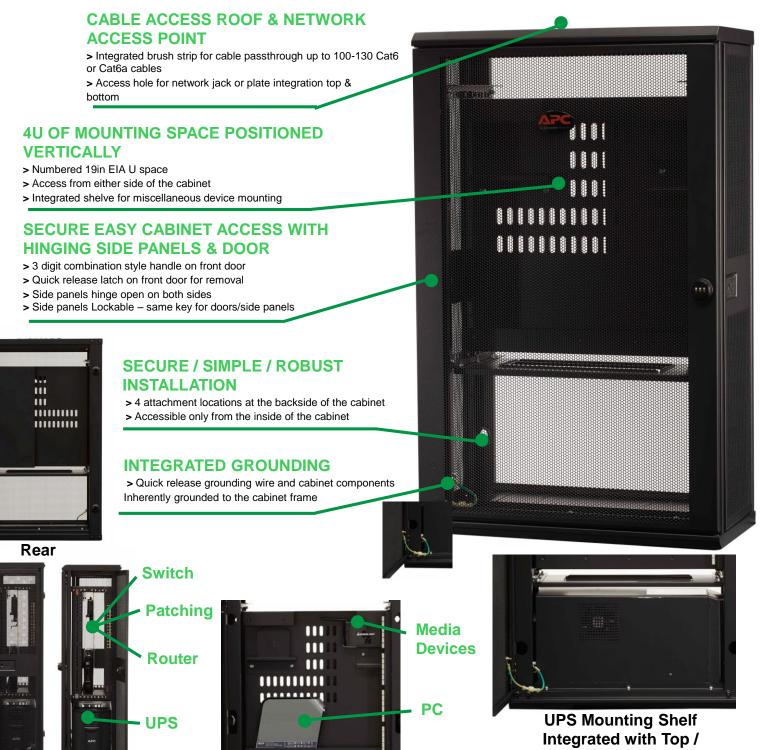
*For orders, pricing, & availability please view the price book & contact the Customization Technical assistance group at <u>dcs-eto@schneider-electric.com</u> or via the <u>APC.com Contact Sales Support Site</u>.

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Unique Dimensions

Wallmount Unique Design 4U

Shallow low profile design with vertical U mounting for tight spaces



Bottom Placement Option

(APC SMT1500 1500VA shown)

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by Schneider Electric

*For orders, pricing, & availability please view the price book & contact the Customization Technical assistance group at dcs-eto@schneider-electric.com or via the APC.com Contact Sales Support Site.

Front open – Misc Device Mounting

Part #

For requests see contact

information below

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NetShelter WX 4U 600mm W x 550mm D x 253mm x 880mm H

Side – Open & Closed

Description

Structure

Bareframe Data Center IT Cabinet

NetShelter SX Cabinet Frame construction for IT equipment loading up to 2,250lb caster load and 3,000lb levelling foot load with the bare minimum components for IT installation

NO CABLE ACCESS ROOF

- > Unobstructed access at the top of the cabinet frame for cable entry/exit
- > Leaves open space for alternate cabling systems such as wire basket tray, ladder racking, or roof bridge
- > Lower cost cabinet solution with less components



EASILY ADJUSTABLE VERTICAL MOUNTING RAILS

> To align, match the shapes along the side brace to the visible shapes shown through the opposite rail

- Simple screw and cam engagement with captive screws
- > Easily align rails and adjust in 1/4 inch increments
- > Numbered U positions

NO SIDE PANELS AND FRONT/REAR DOORS

- > Unobstructed access to the side of the cabinet
- > Lower cost cabinet solution with less components



CASTORS AND ADJUSTABLE LEVELLING FEET

> Both are pre-installed and standard on all enclosures

- > Levelling feet easily adjustable from the top
 - down

Description	Part #
NetShelter SX48U 600mm W x 1070mm Deep without Sides, Without Front Door, Black	AR3107X655*
NetShelter SX48U 750mm W x 1070mm Deep without Sides, Without Front Door, Black	AR3157X655*
NetShelter SX48U 600mm W x 1200mm Deep without Sides/Front Door, 2 Channels, Black	AR3307X656*
NetShelter SX48U 750mm W x 1200mm Deep without Sides/Front Door, 2 Channels, Black	AR3357X656*



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*For orders, pricing, & availability please view the price book & contact the Customization Technical assistance group at <u>dcs-eto@schneider-electric.com</u> or via the <u>APC.com Contact Sales Support Site</u>.

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Unique Industry Requirements

Industrial NEMA 12 Enclosure

This floor standing, steel enclosure is suitable for industrial environments such as mechanical plants that are especially demanding and regards the protection of electric and electronic components against dust, splashing with oil and impacts. Schneider Electric offers an enclosure platform with more than 60 years of experience.



ENCLOSURE STRUCTURE

Structure: Top and bottom frame, vertical uprights.

- · Roof machined for top hood with fan.
 - * top hood with double fan (115V) 85 W. Noise level 64 dB (A) * Eyes bolts mounted
- Plinth height 100mm color RAL7022
- · 1 part cable gland plate 2 entrances
- · 2 central grounding point
- · Earth braids mounted

ENCLOSURE ACCESS

- > Front plain door with 120° hinges (left) machined for grilles
 - * Handle push button
 - * Insert mounted & handle mounted
- 2 Outlet grilles mounted
- > Rear plain door with 120° hinges (left) machined for grilles
 - * Handle push button
 - * Insert mounted & handle mounted
 - * 2 Outlet grilles mounted
- > 1 pair of standard side panels screwed on with captive screws

Also included:

- Lock set to replace push button with 2x key

EQUIPMENT SUPPORTED

> 2 Fixed frame 19" on the front positioned on standard support 19" > 4 central fixing 19" (specific) mounted on the 19" frame 2 on right and 2 on left

- > 8 integrated cross rails (800mm) mounted on left and right. (horizontal mounting)
- > 2 cross rails (2000mm) mounted on left and right on the rear and on
- the front of the enclosure. (upwards vertical mounting)

> 11 cross rails (800mm) mounted in the middle on the 2 cross rails height 2000mmm distributed over the entire height. (horizontal mounting)

ADDITIONAL SPECIFICATIONS

- > Load 1763lb (800 kg)
- > Environmental rating degree of protection: IP54 (NEMA 12)
- > Environmental protection Resistance to mechanical
- impacts: IK10 according to IEC 62262.
- IK08 for transparent door
- > IEC 62208; UL Listed ; RoHs & reach compliance

		1			
- 1.1	es	cri	DT	on	
_			P		

Spacial SF NEMA 12 Enclosure 2000mm H x 800mm W x 800mm D with Top Pagoda Fan, 2 x Door Filters Grey RAL7035ST

For requests see contact information below



Rear

*For orders, pricing, & availability please view the price book & contact the Customization Technical assistance group at dcs-eto@schneider-electric.com or via the APC.com Contact Sales Support Site.

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Part #

-

Top Pagoda

Fan

Foxboro

Front

Life Is Or

Accessorizing - Cabling

Data Center IT Cabling Cabinet

Cabling side car that attaches onto the side of a standard 42in (1070mm) D cabinet to provide a dedicated area for cable routing and management.

SIDECAR ATTACHMENT TO NETSHELTER SX

> Sidecar attaches to the NetShelter SX standard 42in (1070mm) D frame

> Allows for cabling to be managed outside and in between IT cabinets in high density cabling applications

SIDECAR FEATURES

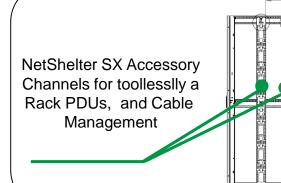
> 4.5in (115mm) W sidecar with integrated cable management via NetShelter SX accessory channels and front-to-rear horizontal cable channles

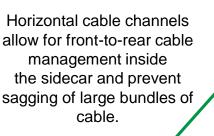
> Front and rear doors for easy access to the inside of the side car for cable routing and management without having to access the attached IT cabinet

PASSTHROUGH SIDE PANEL WITH BRUSHES

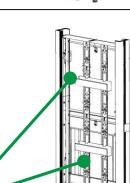
> Split side panels with passthrough openings and brush strips to cover the openings allow for cabling to be passed out of the sidecar and into adjacent cabinets, sidecars, or other cabling routing systems.

Product Profile (Front, Rear, Side)



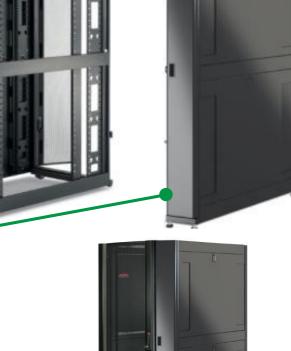


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Description	Part #
NetShelter SX 42U 155mm Wide x 1070mm Deep Cable Management Sidecar with Brush Side Panels, Black	AR3100X614*







Accessorizing - Containment

Energy Smart Rack Engineered for Dell

The Energy Smart cabinet is a stand-alone containment solution that can overcome density limitations and improve cooling efficiency in a raised-floor data center.

Solid Front Door

> Encloses front of cabinet to capture cool air entering the cabinet from beneath through a perforated floor tile.



Front Cabinet Extension

> Unique structure attaches at the front of the cabinet to allow cool air to flow at the front of the cabinet from beneath through a perforated floor tile



Specialized Airflow Management

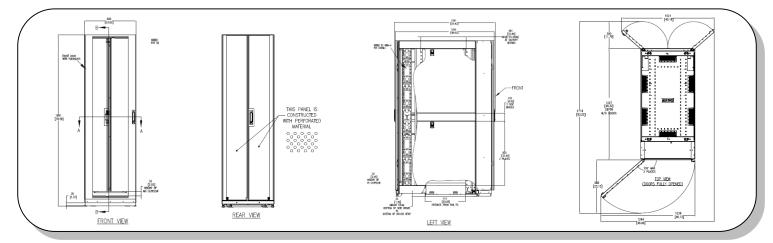
> 2U horizontal plenum directs air to the front of the rack, while a front extension allows the air to travel the full height of the cabinet
 > The horizontal plenum extends to the rear mounting rails to allow for maximum open floor tile area under the enclosure



Specialized Containment

> Brushes around the plenum ensure airflow is directed to the intake of the IT equipment

Product Profile (Front, Rear, Side, Top) (AR3100X721 shown)



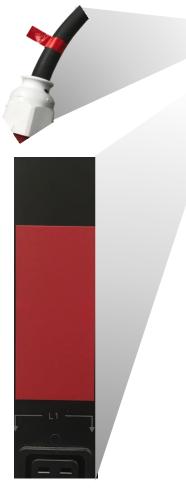
Description	Part #
NetShelter SX 40U 600mm/1070mm w/ Roof/Sides/Front Plenum and 2U Bottom Duct	AR3100X721*
NetShelter SX 40U 600mm/1200mm w/ Roof/Sides/Front Plenum and 2U Bottom Duct	AR3300X721*



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Color Application Labels

Rack PDU chassis in Various Colors to Color Code Power Configurations and Reduce Human Error



Color coded labels to apply to the surface of the Rack PDU and around input cords to clearly identify the Rack PDU as one power source or another.

Pair with Color Coded Cords for a Completely Color Coded Power Path

Color coded locking power cords in multiple lengths clearly identify the outlet as connected to a specific color coded power source. See all options on page 13.





Red or Blue options

Description	Part #	
Rack PDU Red Colored Label Kit	AP8000RED*	
Rack PDU Blue Colored Label Kit	AP8000BLU*	



Life Is On

Color

Rack PDU Complete Chassis Color

Colorcoding Rack PDUs is proven to provide many benefits to data centers and most importantly reduce human error, the major culprit of downtime.

LABELING REDUNDANT POWER

> With multiple color options data centers can standard on primary power with one color and redundant power for another for easy identification

REDUCE HUMAN ERROR

> Identify critical power with one color and implement change control and processes around that particular color

POWER PATH RECOGNITION

Implement a common color scheme from "plant to plug" along the power path from the facility level all the way to the IT power plug

VOLTAGE IDENTIFICATION

> For cabinets with mixed voltages identify the different voltages by specific colors. Additionally add colored power cords to identify different voltages on the same Rack PDU

PAIR LIGHT COLOR RACK PDU WITH LIGHT CABINET

> For the best visibility and usable work environment for those having to manage Rack Power Distribution in IT environments use light colored Rack PDUs and white IT cabinets for the best possible visibility and even allow reduced lighting in these IT environments

Product Profile (Front)

72.00 in 1829mm		2.20 in 56mm
Description	Part #	
Rack PDU 2G, Metered, ZeroU, 5.7kw, 208V, (36) C13 & (6) C19& (2) 5-20s with 10ft L21-20P Input Cord, All White Chassis	AP8861WX667*	
For orders, pricing, & availability please view the price book & contact the Customiz proup at dcs-eto@schneider-electric.com or via the APC.com Contact Sales Support		by Schneider Electron

Color Coded Rack PDU Locking IEC Power Cords

Power Cords in Various Colors to Color Code Power Configurations and Reduce Human Error

Color coded locking power cords in multiple lengths clearly identify the outlet as connected to a specific color coded power source.



Color Coded Locking Power Cords

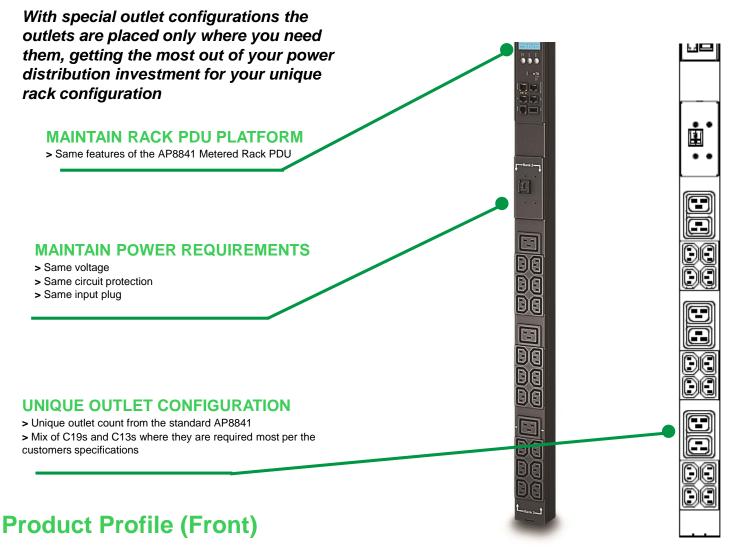
DDU Insut	Converting	Cord	Cords	APC SKU*		
PDU Input	Server Input	Length	per SKU	UL, CSA	CCC, PSE, VDE	
IEC C14 Straight Blue	IEC C13	2 ft.	6	AP8702S-NAX590	AP8702S-WWX590	
		3 ft.	6	AP8703S-NAX590	-	
		4 ft.	6	AP8704S-NAX590	AP8704S-WWX590	
		6 ft.	6	-	AP8706S-WWX591	
IEC C14 Straight Green	IEC C13	2 ft.	6	AP8702S-NAX743	-	Co
		3 ft.	6	AP8703S-NAX743	-	lo
		4 ft.	6	AP8704S-NAX743	-	Color Coded Locking
IEC C14 Straight	IEC C13	2 ft.	6	AP8702S-NAX744	-	Öd
Orange		3 ft.	6	AP8703S-NAX744	-	ed
		4 ft.	6	AP8704S-NAX744	-	Ľ
IEC C14 Straight Red	IEC C13	2 ft.	6	AP8702S-NAX340	-	oct
		3 ft.	6	AP8703S-NAX340	-	(in
		4 ft.	6	AP8704S-NAX340	-	
IEC C20 Straight Blue	IEC C19	2 ft.	6	AP87′	12SX590	IEC Power Cords
		3 ft.	6	AP87′	13SX590	D
		4 ft.	6	AP87′	14SX592	0¥
لت		6 ft.	6	AP87′	16SX593	er
		10 ft.	1	AP876	60SX590	C
IEC C20 Straight Green	IEC C19	2 ft.	6	AP8712SX743		ord
		3 ft.	6	AP87	13SX743	S
		4 ft.	6	AP87	14SX743	
		6 ft.	6	AP87	16SX743	
IEC C20 Straight	IEC C19	2 ft.	6	AP87	12SX744	
Orange		3 ft.	6	AP87	13SX744	
		4 ft.	6	AP87	14SX744	
		6 ft.	6	AP87	16SX744	



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Outlet Configuration

Rack PDU with Special Outlet Configuration



	2.20 in 56mm
∎D⊅ ¤ 0. 	Image: Sec. 22 Image:

Description	Part #
Rack PDU 2G, Metered, ZeroU, 5.7kw, 208V, (24) C13 & (12) C19 with 10ft L6-30P Input Cord	AP8841X520*

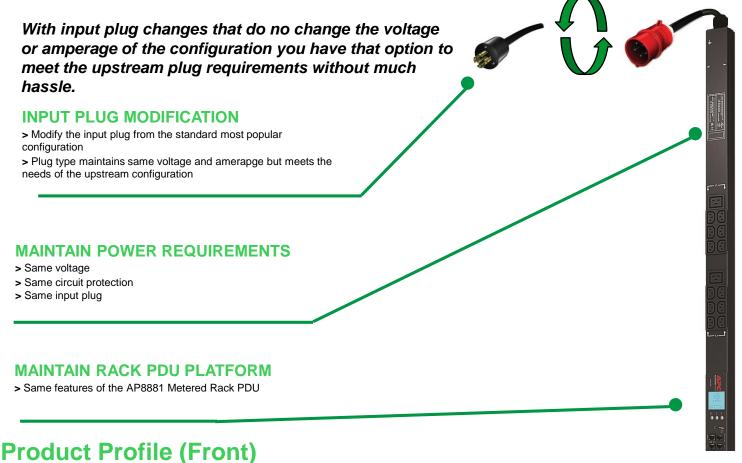


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Input Configuration

Rack PDU with Input Plug Modification

Sometimes the upstream power configuration is not so flexible so the downstream must adapt.



2.20 in 56mm 72.00 in 1829mm

Description	Part #
Rack PDU 2G, Metered, ZeroU, 11kw, 230V, (36) C13 & (6) C19 with 6ft L22-20P Input Cord	AP8881L22*
Rack PDU 2G, Metered, ZeroU, 11kw, 230V, (36) C13 & (6) C19 with 8ft L22-20P Input Cord	AP8881L22X633*



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Cord Length

Rack PDU Input Cord Configured to Length

Increase or reduce cord lengths to specification to eliminate waste and increase reliability.

Field modifications of Rack PDU input cords can be costly and time consuming, and if done incorrectly can effect the product warranty.

Reduce input power cord length

Reduce the standard input cord length and eliminate unnecessary cord wrapping or routing from a precise configuration.

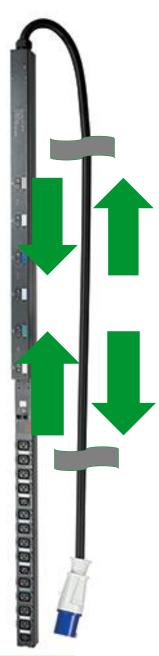
Precise cord lengths can provide a cleaner environment within cabinets and aid with:

- > Airflow management,
- > Power and data cable management, and

> Equipment access during installation and maintenance windows.

Increase input power cord length

For longer distance power runs through overhead cable management systems or raised floors sometimes an increased length is required to avoid multiple connections that can add risk in power distribution paths.



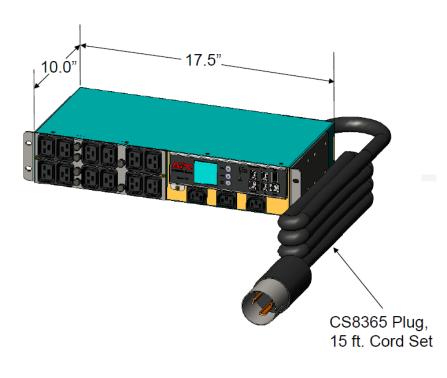
Description	Part #
Rack PDU 2G, Metered, ZeroU, 5.7kw, 208V, (36) C13 & (6) C19 & (2) 5-20 with 10ft L21-20P Input plug	AP8861X630*
Rack PDU 2G, Metered, ZeroU, 5.7kw, 120/208V, (24) 5-20R & (6) L6-20R with 10ft L21-20P Input plug	AP8863X630*
Rack PDU 2G, Metered, ZeroU, 8.6kw, 208V 3ph, (36) C13 & (6) C19 with 10ft L15-30P Input plug	AP8864X630*
Rack PDU 2G, Metered, ZeroU, 8.6kw, 208V, (36) C13 & (6) C19 & (2) 5-20 with 10ft L21-30P Input plug	AP8865X630*
Rack PDU 2G, Switched, ZeroU, 5.7kw, 208V, (21) C13 & (6) C19 with 10ft L21-20P Input Plug	AP8961X630*
Rack PDU 2G, Switched, ZeroU, 8.6kw, 208V, (21) C13 & (3) C19 with 10ft L21-30P Input plug	AP8965X630*
Rack PDU 2G, Switched, ZeroU, 11kw, 400V, (21) C13 & (3) C19 with 10ft IEC-309 16A 3P+N+PE Input Plug	AP8981X630*



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Rack PDU Form Factor

Form factor adaptation for a unique requirement and specific amount of outlets



Features

Output

Output Voltage 208 VAC Maximum Input Current 40A UL (derated) Output Connections

(3) IEC 320 C13



(12) IEC 320 C19



Overload Protection Yes; (6) 20A Double Pole Circuit Breakers.

Input

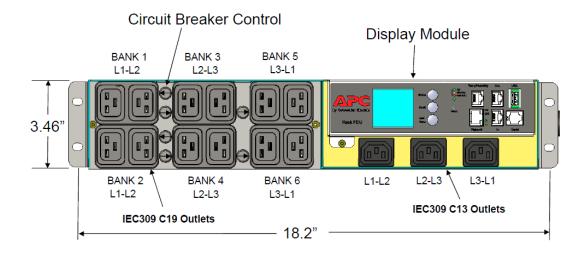
Acceptable Input Voltage 208 VAC, 3-phase Input Frequency 50/60 Hz

Input Connections

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Hubbell CS8365

Cord Length 15 ft. Number of Power Cords 1 Maximum Output Current per phase 40A Maximum Output Current per Bank 16A



Description	Part #
Rack PDU 2G, Metered, 2U, 14.4kw, 208V, (12) C19 & (3) C13 with 15ft CS8365C Input Cord	AP8869-2UX737*



Architecture

Universal Power Distribution Unit

Flexible rack power distribution from Schneider Electric



Simple, Flexible, Standardized

The UPDU offers a single rack power distribution solution for global deployments.

Users of the UPDU simply select the appropriate input power cord for their site voltage, connect and the rack is ready to be powered up.

Large scale, global Data Center operators can standardize on a single rack configuration, offering the flexibility to deploy resources wherever they are needed.

Benefits

- Supply chains will be simplified
- · Deployments will be flexible
- · Systems will be standardized

Switched UPDU Input Ratings

230/400V 50/60Hz 32A

240/415V 50/60Hz 24A

120/208V 50/60Hz 40A

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Custom Rack Systems

Online Resources

Filter (6 Products Listed) Type Metered-by-Outlet w	AP8659 \$1,250	AP8659NA3 \$1,275	AP8632 \$1,425
Output Voltage No Preference No Preference No Preference V	Rack PDU 2G, Metered by Outlet with Switching, ZeroU, 20A/208V, 16A/230V, (21)	Rack PDU 2G, Metered by Outlet with Switching, ZeroU, 20A, 20BV, (21) C13 & (3)	Rack PDU 2G, Metered-by- Outlet with Switching, ZeroU, 30A, 100-120V, (24) 5-20R
Input Plug	AP8641	AP8661	AP8681
No Preference	\$1,500	\$1,600	\$1,850
rice*			
\$.0 \$930 \$1,850	Rack PDU 2G, Metered by Outlet with Switching, ZeroU, 30A, 200/208V, (21) C13 &	Rack PDU 2G, Metered by Outlet with Switching, ZeroU, 5.7kW, 208V, (21) C13 & (2) C12	Rack PDU 2G, Metered by Outlet with Switching, ZeroU, 11.0kW, 230V, (21) C13 & (2) C10
R	ack PDL	J Selecto	or

APC.com Rack PDU Selector found here:

http://www.apc.com/us/en/tools/selector/pdu/

Help Me Choose Rack PDUs – Rack PDU Selector

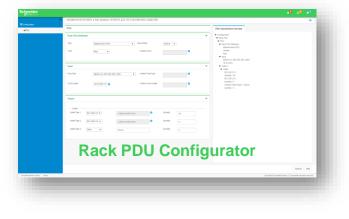
- Simple selection amongst hundreds of Rack PDUs
- Choose type, output voltage, mount style, and input plug and receive a list of options based on your selection along with pricing and detailed product specifications

Selector Not Finding What You Need – Rack PDU Configurator 1

- · Simple selection of Rack PDU attributes
- · Enter customization requirements

Rack Accessorizing and Configuration Made Easy with the Local **1** Edge Configurator

- Easy rack configuration and layout with drag and drop menus
- · Start with an IT reference design or even full Micro Data Center





1. Design Portal is limited to select, premier, and elite channel partners. Contact your local APC sales representative or visit apc.com/custom-rack-systems to submit a request.

132 Fairgrounds Road West Kingston, RI 02892 United States Phone: 401-789-5735 www.apc.com





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