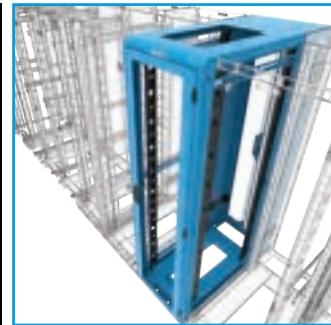
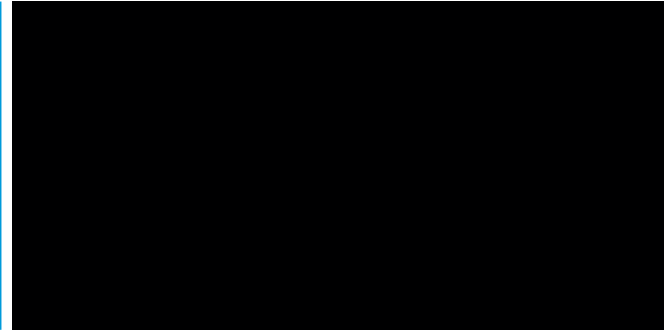




GREAT LAKES

DATA RACKS & CABINETS



 GREAT LAKES

GREATCABINETS.COM
1.866.879.4522

NEED A RACK?

WE GOT YOUR BACK (AND YOUR RACK).

Let's make this simple...wherever your data equipment needs to go, we've got your back.

Up high. Down low. In a jungle. In the snow.

We'll keep all your equipment dry and cool, safe and secure—even in the worst conditions.

You see, we've been building innovative data solutions since 1985. Like our space-saving, sky-high racks. Our intrusion-resistant SEAL products. And our tougher-than-anything outdoor BOX.

And STACK means we'll build anything you want, just the way you want it. That's how **we rack your world.**

“Buy it off our shelves or challenge us with a custom-build, you won't find anyone as fast, flexible and easy.”

Jonathan Markley - President



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We rack your world.

SERVICES

THERE'S SERVICE. AND THEN THERE'S US.

Ok, we know a lot of companies boast how they take customer service to a whole new level. All we can say is "try us." *Like, really try us.*

From your initial inquiry to final delivery. You'll see we handle everything. Fast. Flexible. Easy. Every time.

We'll get you that quote you need ASAP. We'll help you select from our standard products or build something custom to fit a specific need. And sooner than you can say "how fast will it be here," we'll ship to you across the country or around the world.

When it comes to data center products and solutions, there's not much we can't do. That's exactly how **we rack your world.**

"We use a team approach – across all departments – to make your experience fast, flexible and easy."

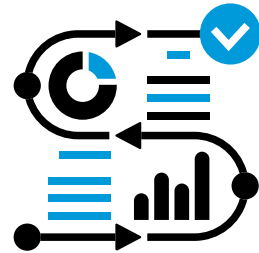
Debbie Moyer - Director of Inside Sales



▶ FAST SERVICES

FROM START TO FINISH

Have you heard? We build the best US manufactured data center products, but it's how we do it that matters more. It's all in the details



WE'RE FAST. FLEXIBLE. AND EASY.

HOW FAST IS FAST?



Fast Quotes

Whether you've picked a product off the shelf or want to build something unique from scratch. And like we said before, because everything is here in one place, we're not waiting on anyone for anything.



Fast Manufacturing

We have these automated robots manufacturing products. Whether it's making hundreds of a standard part, or swapping out programs to get started on your custom project—it's a huge time savings. The technology helps us fill the orders that hit our desks, but it's the incredible people on the shop floor making sure product is made in the most efficient and effective way. Every time.



Fast Shipping

From project start to installation, we're completely focused on your requirements. Including your delivery deadline. That's shipping in 24-48 hours on most items that we offer. But whether you order one of something... or a whole bunch more, we are working with your schedule.



QUICK FRIENDLY QUOTES



STATE-OF-THE-ART ROBOTIC TECHNOLOGY



NO MINIMUM ORDER



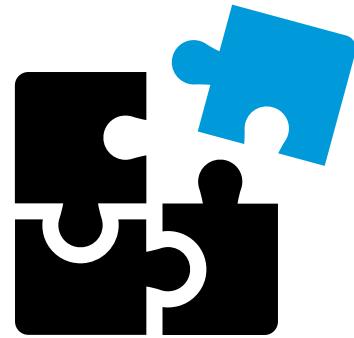
24-48 HOUR SHIPPING

HOW FAST IS FAST? YOU TELL US.

▶ FLEXIBLE SERVICES

WE HAVE ALL THE PIECES

We realized a key to our success. Everybody likes options. And lots of them. So we got really good at being flexible. From customizing your rack or cabinet to how it's shipped to your site.



OPTIONS ARE ENDLESS

YEAH, WE'RE THAT FLEXIBLE.



Flexible Products

We've engineered our products to give you options - lots of options. Sort of like an erector set - our products can be configured just the way you want them. Pick the parts to build your own airflow, cable management, power, and security strategy and let us do the rest.



Flexible Designs

Take our almost world-famous FMP system - aka the Flexible Mounting Profile. It's a series of holes along the rack rail. Outside the mounting pattern. Install cable rings, cable posts, cable fingers, cable managers, patch panels, power strips, and on and on. Find it on our cabinets, wall mounts, and racks.



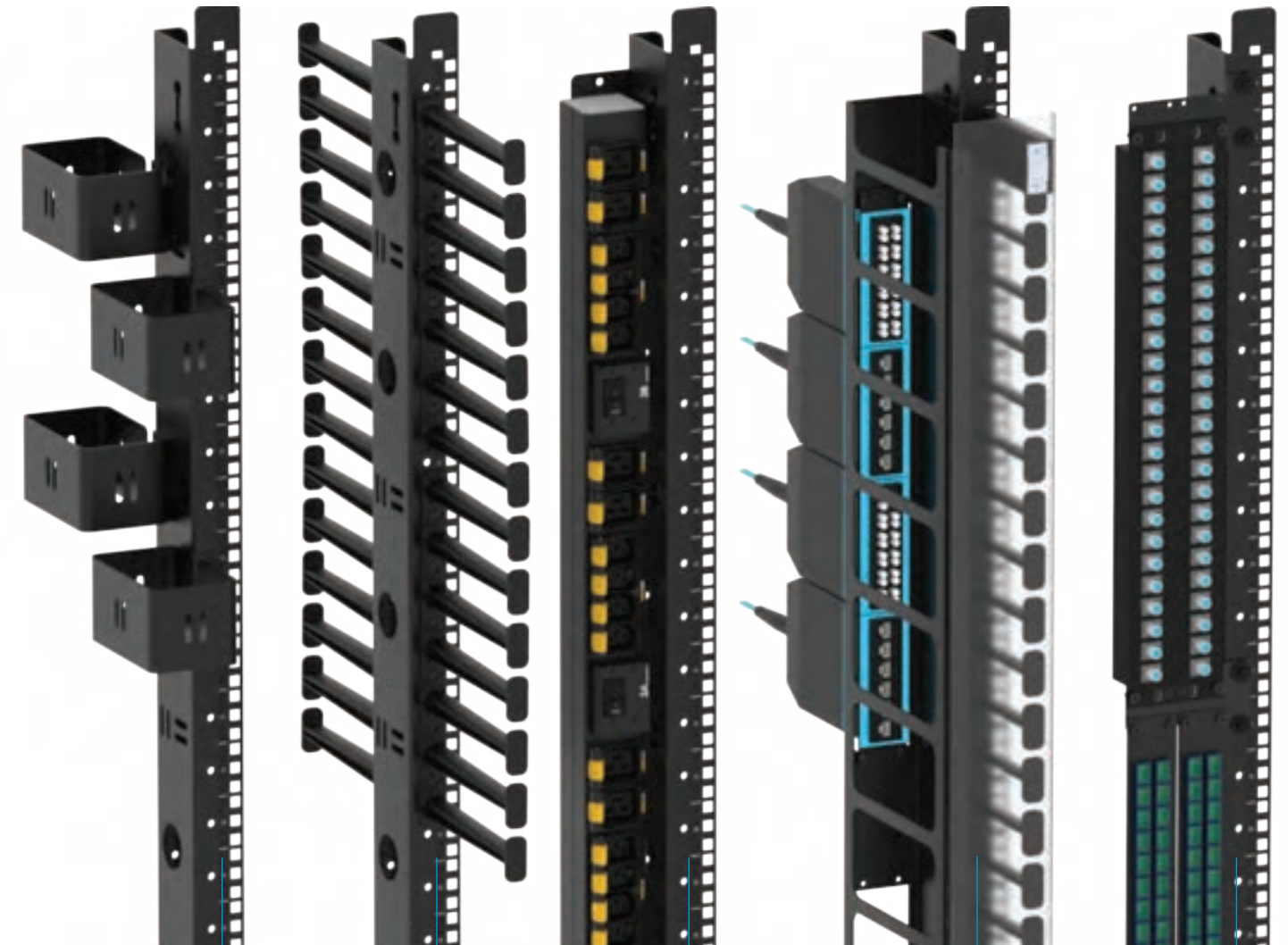
Flexible Integration

Then there's our STACK integration service. We'll set up one of our off-the-shelf products with the accessories you want. Need your favorite PDU or third-party product installed? Have it dropped shipped to us, or we'll source it with the rest of your Great Lakes order. Product is ready when it gets to your door. You save time and freight costs. Plus, you get to skip installing all those cage nuts.

FLEXIBLE IS OUR MIDDLE NAME.

FLEXIBLE MOUNTING PROFILE - THE OPTIONS ARE ENDLESS

Cabinets. Racks. Industrial. It's a rail pattern across our product line that isn't just for cage nuts and screws. It's so much more.



Rings
(CM-11)

Fingers
(CM-77)

PDU
(PSBKES-R-30)

Vertical Manager
(VCMK-84)

Zero-U Brackets
(ZR2)

▶ EASY SERVICES

OUR PEOPLE MAKE IT EASY

A human will answer your call immediately! We let you know exactly where and when your product will be delivered. And our no-hassle shipping policy means we will replace any order that doesn't arrive in perfect condition. Boom!
We were on this easy thing way before the Staples button.



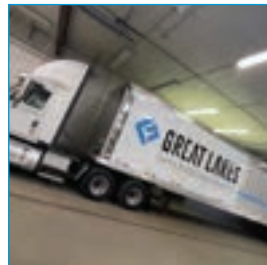
IT'S ALL ABOUT ENSURING YOUR EXPERIENCE IS HASSLE-FREE.

JUST LIKE THAT!



Easy Customer Service

A friendly voice will answer your call from 8 a.m. to 8 p.m. (EST). You'll always be directed to the person that can help you the most, and we'll get you answers as fast as we can. Say you want to add or swap some parts on your cabinet. Every product we make has a serial number that IDs it and how it's configured. Call us and we'll know exactly what will work. That was easy.



Easy Shipping

And about those four shipping services we mentioned. **Dock-to-dock**—carrier pulls up, unloads, leaves...in and out in a flash! Don't have a dock? **Liftgate** service delivers freight to ground level. Standard **Inside Delivery** brings freight to a designated area without physically lifting the cabinet. **White Glove** Inside Delivery is up the steps/elevator stairwell, or anywhere you need it. White glove even covers packaging removal and disposal. Now that was... well, you know.



Easy Freight Protection

How about our "No-Hassle Freight Protection" that gives you 72 hours to report any damages? Find something wrong? No worries. Give us a call and we'll take all the responsibility to get you new parts. No questions asked. No cost to you. Just specify 'Pre-pay and Add' when you order—it shows up on your quote and you know you're covered. Easy.



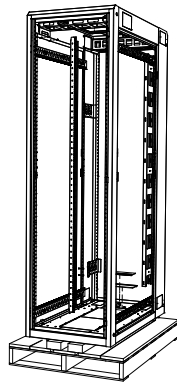
SHIP HAPPENS!

We've been shipping racks around the world for over 35 years. Let our team of experts help protect it along the way. Great Lakes "No Hassle Freight Protection" will ensure your product gets to its destination intact and if for any reason it doesn't — a replacement goes out, no questions asked.

FAST. FLEXIBLE. EASY. THAT'S HOW WE RACK YOUR WORLD.

DON'T SEE IT ON THE RACK?

We can fix that. Narrow closet. Low ceiling. Brownfield site. New construction. Data center in a mountain. We've been making special products for unique spaces for more than 35 years.



WANT A WALK-IN CLOSET BUT DON'T HAVE THE SPACE? LET'S TALK.

HANG WITH US.



Your Modifications

We know that sometimes product isn't perfect for you. If our cabinets, wall mounts, and racks almost meet your need, let our design experts make modifications so it's better for you. Bigger or smaller. More or less knockouts. Different color. When it's based off of existing product, you get a custom product faster. At a reduced cost.



Your Retrofit

Already have product in place that didn't come from Great Lakes? No problem. Engineers can create retrofit solutions to improve the products you already have onsite. Upgrade the door, create better cable management, completely enclose rack mount equipment that isn't secure. We can do it without causing you downtime. No downtime means there's more uptime.



Your Design

Or ours. If the flexibility of our standard product just won't do, let's create something together. We can combine your requests (because no one knows your needs better than you) with our 35 years of design experience to create the best product for the job. A custom datacom product. Custom industrial product. Or any custom metal product...after all, we are metal fabricators.

CUSTOM SOLUTIONS TO FIT YOUR WORLD.



CUSTOM OPTIONS - LET US TAILOR A PRODUCT FOR YOU

A modification. A retrofit. Or from scratch. In six weeks or less. It's just that fast, flexible and easy!

Top Cable Trough
Bigger trough to accommodate the increased cabinet size

Reinforced Mounting Points
Modified hole pattern on top of the cabinet to support a two tier ladder rack system



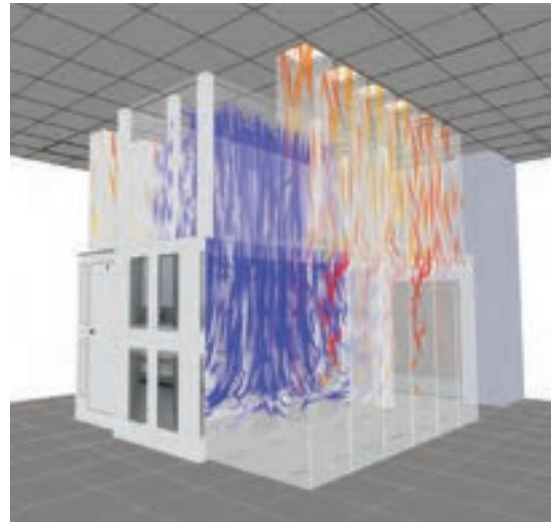
Wider Cable Bars
Two times the size of a standard cable bar for high density cable bundles

Frame Size
Built like our popular ES cabinet, but a tad wider for unique rack mount equipment

CUSTOM TO STANDARD

Custom product that is the requirement for large projects and future orders can become part of our standard product portfolio and in many instances, can be stocked on the warehouse floor!

▶ COOL SERVICES



NEED A TOUCH OF COOL?

We definitely have that! We can help you make and deploy an airflow strategy for your space. And we aren't just blowing hot air. From a single cabinet to hundreds deployed with aisle containment. There's a solution to increase cooling capacity and decrease PUE.

CFD modeling – Computational Fluid Dynamics – let us help you make “cool” decisions.



Cost Efficient.

Test out new layouts and reduce capacity planning mistakes (hey, it happens). Eliminate the possibility of rework while saving time and money.



Energy Efficient.

Identify areas that need airflow segregation and implement best practices. Fix hotspots. Improve cooling.



Uptime Efficient.

Eliminate the hotspots and you eliminate the possibility of overheating and shutdown. Running 24/7/365... that's your goal.

We can analyze a model one time. Or as a continuous service, we can analyze and reanalyze so you have instant access to answers all the time. Point by point. Zone by zone. Eliminating downtime and saving you money.

A WAREHOUSE FULL OF SERVICES. THAT'S HOW WE RACK YOUR WORLD.

SEAL®

SAFE AND SEALed.

There's always going to be bad guys out there. You know, the ones that want to mess with your stuff. And that's why you need SEAL security.

SEAL technology provides layer-upon-layer of physical protection. Like access control with multi-factor authentication. Handles with three-point latching. Tamper-resistant panels. Even “invisible” hardware and concealed cables.

With SEAL security, your data system is virtually impenetrable. From the smallest footprint to an expansive data center, SEAL provides sophisticated peace of mind. That's how **we rack your world** and keep it safe and SEALed.

“Nothing else deters, delays or detects like SEAL security.”

Melissa Campbell - Regional VP





SECURE YOUR STUFF.

It's common sense that a person or organization's most valued assets should always be protected. Security measures that delay, deter, and detect unauthorized access to sensitive IT equipment mitigates the risk of detrimental breaches to physical assets.



SEAL IS THE INTEGRATION OF HIGH-QUALITY CABINETS WITH SOPHISTICATED, INTELLIGENT COMPONENTS

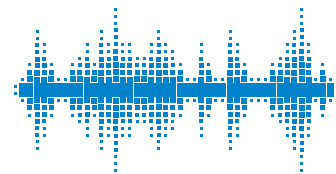
SEAL, or Security Enclosure All Levels, addresses many general principles of a physical protection plan as outlined by ASIS International, a worldwide leader in security standards.

A FEW GENERAL PRINCIPLES:



RISK ASSESSMENT

Identify and prioritize security risks based on the cost of the asset; operational impact due to theft or damage; monetary resources required for restitution of harmed individuals; and reputational impact.



INTRUSION DETECTION

Software and sensors detect, minimize, and prevent unauthorized access attempts while creating a real-time audit trail report of who, what, when, where and how access to secure areas is granted.



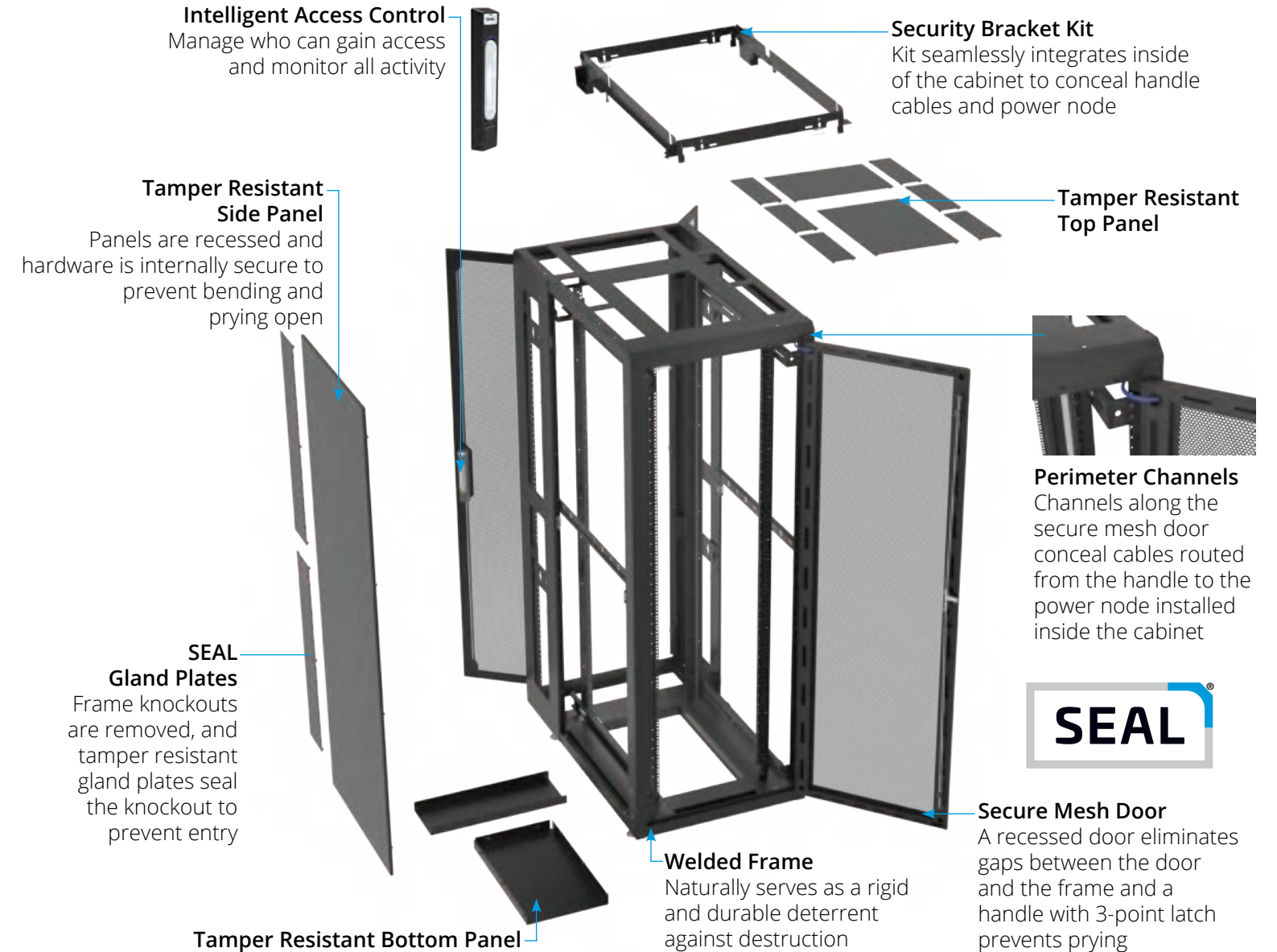
SECURITY LAYERING

Concentric layers of security, designed to delay an attacker as much as possible, provide multiple barriers around highly protected assets, with the final barrier providing access to only vetted and authorized staff.

The best physical data security begins with SEAL.
VIRTUALLY IMPENETRABLE PROTECTION

SEAL[®] CABINET

The complete SEAL cabinet is built upon the expert engineering and craftsmanship of the ES cabinet. The cabinet begins with a fully welded ES frame and is configured with metal components that eliminate possible points of penetration into the cabinet.





INTEGRATE CABINETS WITH SEAL[®] COMPONENTS

Choose the complete SEAL cabinet to create the ultimate protective barrier or choose components to add to the ES cabinet for the optimal degree of security for your application. Various cabinets feature integrated security features, such as recessed doors or tamper resistant sides; configure these cabinets with an intelligent access control handle to monitor and manage intrusion detection.



ES

Page 24 for ES details



E

Page 34 for E details



COLO

Page 42 for COLO details



INTEGRATE WALL MOUNTS WITH SEAL[®] COMPONENTS

Wall mounts deployed in high traffic, or even remote areas, may be a target for equipment tampering. Several series of wall mounts from Great Lakes feature a standard door handle cutout. Configure the wall mount with an intelligent access control handle at the time of order so that it arrives onsite, ready for deployment.



WMCM

Page 54 for WMCM details



WDX

Page 56 for WDX details

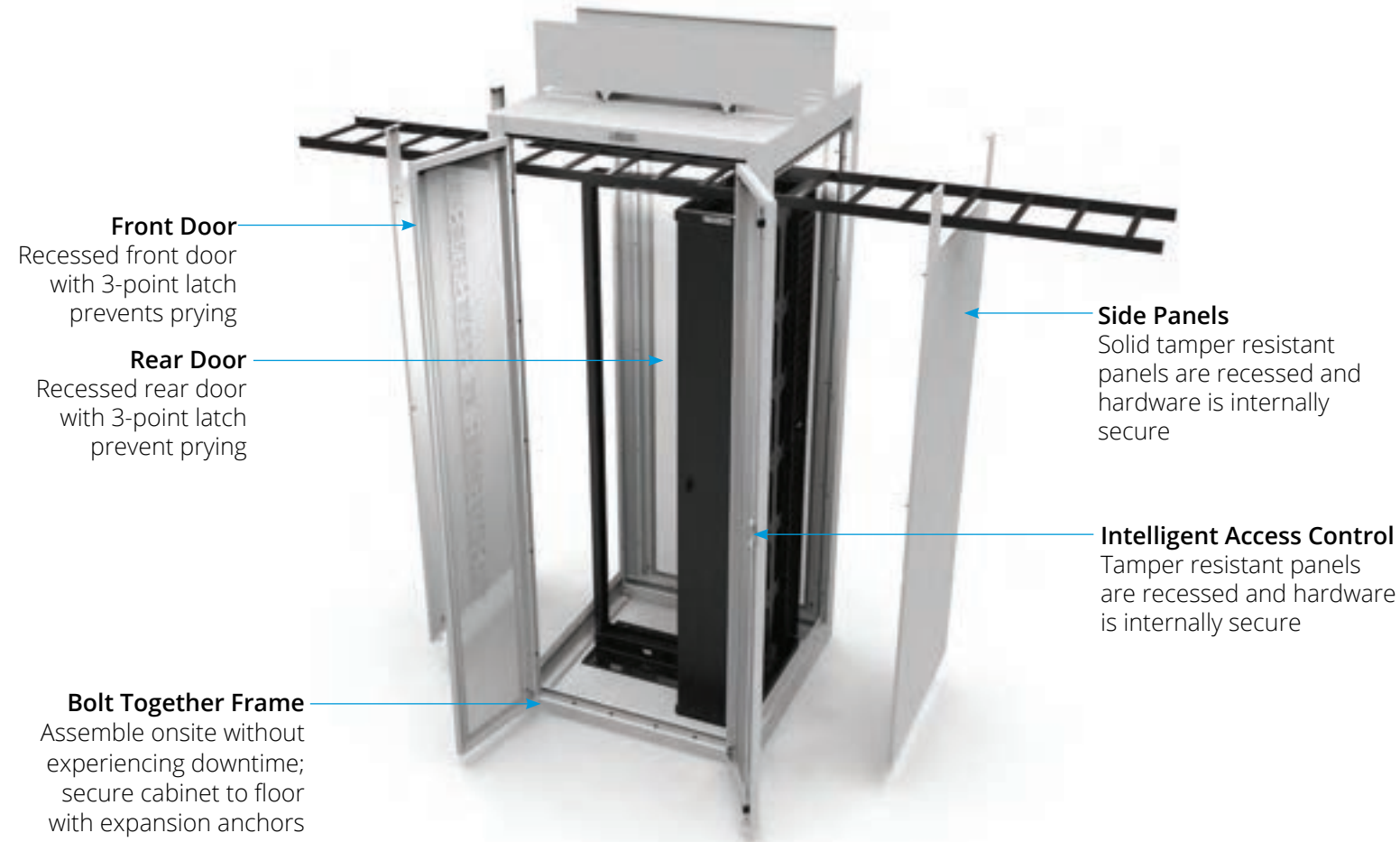


WLP

Page 58 for WLP details

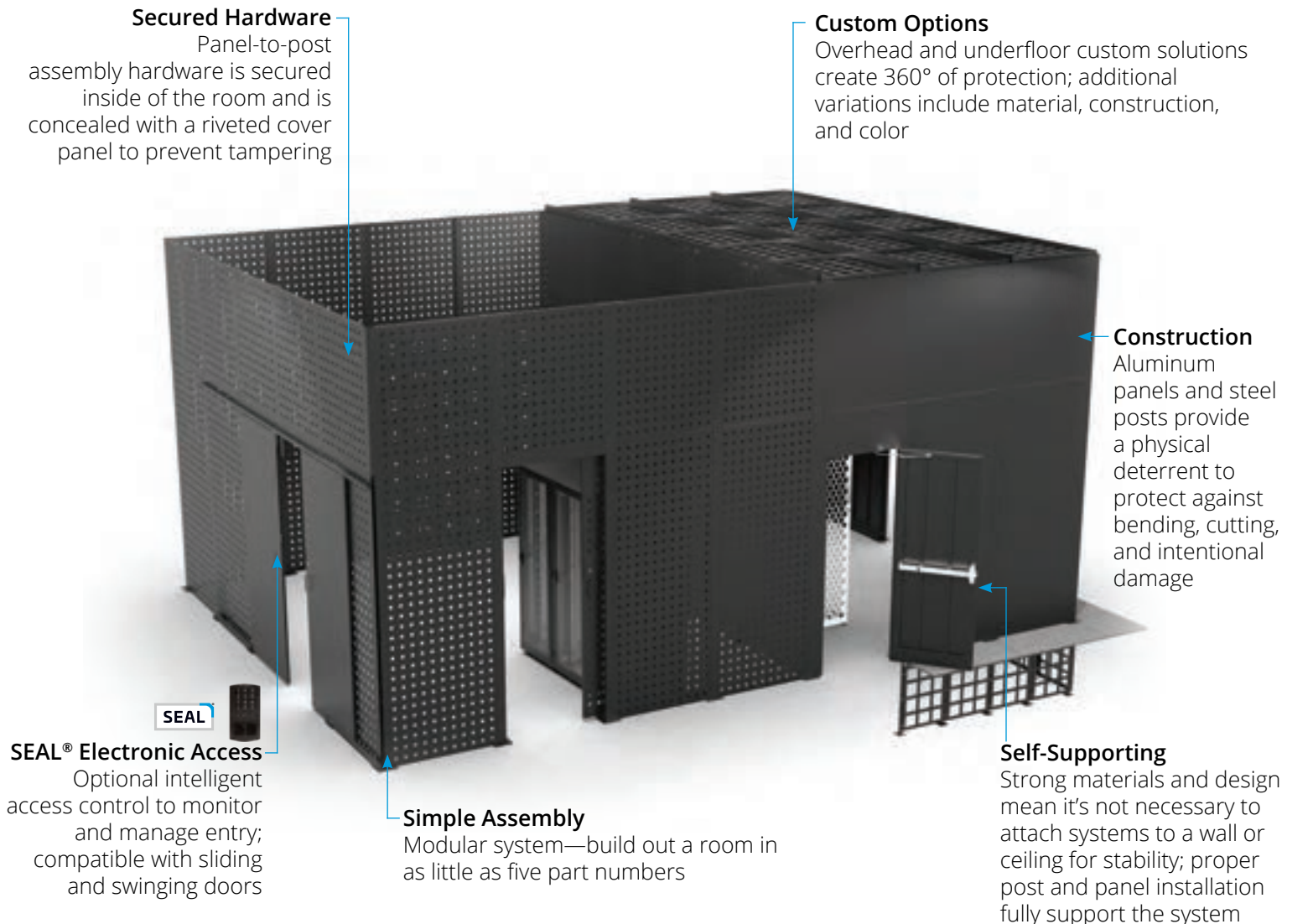
ENCLOSE EXISTING OPEN RACK SYSTEMS

Two post and other open rack systems are space-saving, cost-effective, and facilitate fast deployments in data centers. Open racks pose a vulnerability and must now be “enclosed” to address the organization’s own concerns of physical security and to meet industry compliance as it relates to critical infrastructure. Great Lakes is facilitating updates to open rack systems with retrofit security cabinets, or clamshell solutions. Each clamshell is a custom, made-to-order solution that creates a layer of security around existing open racks. And it can be deployed without causing downtime.



PROTECT THE PERIMETER

The Security Panel System consists of a series of aluminum panels, steel posts, and doors that create an enclosed space—big or small—that help data centers meet multiple industry and regulatory standards, including PCI DSS, HIPAA, and FISMA. Segregate customers in a colocation data center, equipment of various security levels, or even mechanical items in the data center. See page 86 for more details.



MONITOR AND MANAGE USER ACCESS

Integrating cabinets and wall mounts with physical electronic access control advances security at the cabinet level and can provide IT Managers with complete insight into activity surrounding the cabinet: unauthorized access attempts, authorized individuals at the cabinet, length of time door is open, and more.

INCREASE SECURITY

- Immediate alarm/notification of non-authenticated access through SNMP
- Centralized software platform to configure and manage authorized users

MITIGATE RISK

- Proprietary protocol to ensure secure/encrypted communication
 - Scalable from one to thousands of entry points

ENSURE COMPLIANCE

- Real-time audit trail reports that ensure government and industry compliance standards
 - Custom reporting of events to IT Manager

Note: Listed features are typical of an intelligent handle option but will vary based on actual handle



	GL-SEAL-R2500	GL-SEAL-R5000KP	GL-SEAL-TL3RF	GL-SEAL-AP	GL-SEAL-E1102	GL-S EAL-E5000
Authentication Method	RFID	RFID + PIN	RFID + PIN	Proprietary mobile app	Handle requires reader (sold separately)	RFID Reader
Access Control Software	3rd Party integration Wiegand interface	Mfr. admin. suite	Mfr. software	Digital key	3rd Party integration Wiegand interface	Mfr. admin. suite
Key Features	<ul style="list-style-type: none"> > Multi-frequency antenna > LED handle status 	<ul style="list-style-type: none"> > Two-factor authentication > TCP/IP > PoE capable > 125 Khz or 13.56 Mhz > LED handle status > Daisy-chain available (32 devices per IP) 	<ul style="list-style-type: none"> > Two-factor authentication > 13.56 Mhz > PoE 	<ul style="list-style-type: none"> > Armored padlock > Digital key delivered to authenticated users > Encrypted Bluetooth technology unlocks padlock > Bluetooth compatible with other handles 	<ul style="list-style-type: none"> > IP65, outdoor use > Vibration-proof > Graffiti-proof > Key override > Use with SEAL-E5000 or other popular readers 	<ul style="list-style-type: none"> > IP65, outdoor use > 125 Khz or 13.56 Mhz > TCP/IP > LED handle status

CABINETS ANY WAY YOU WANT IT.

We know what you're wondering. Can they really build my cabinet any way I want it? You bet.

You see, we design, build and assemble your cabinet all in one place—right here in the USA. That means you can take any of our cabinets and configure away. From PDUs to cooling components to cable management.

Choose from our line of standard cabinets. Or consider a cabinet that can be configured one way today and then reconfigured another way tomorrow.

We even have specialty cabinets that can withstand seismic activity. And did we mention, most cabinets can ship within 24 to 48 hours?

Fast, flexible and easy is how it started... **we rack your world.**

“Our goal is to help you solve your problem with a purpose-built product.”

Scott Ware - Regional VP



CABINET CHOICES



	ES CABINETS	E CABINETS	L CABINETS	CL CABINETS	EZ CABINETS	NEMA 12 CABINETS	
Key Features	Most configurable cabinet for evolving data center needs	Extensive line of cabinets for use in small-to-large deployments	Ready-to-ship cabinet for swift deployment of one or hundreds	Distinct segregation/access control to each cabinet bay	Independently tested for Seismic Zone 4 protection	Cabinet to protect equipment in harsh indoor environments	
RMU/Height (in.)	52 RMU / 98 48 RMU / 91 44 RMU / 84	42 RMU / 79 24 RMU / 48	44 RMU / 84 37 RMU / 72 31 RMU / 60	47 RMU / 91 42 RMU / 79	14 RMU per bay (3 bay), 84"H 21 RMU per bay (2 bay), 84"H	52 RMU / 96 48 RMU / 89 45 RMU / 84	45 RMU / 84
Width (in.)	32, 30, 24	29, 24	32, 24	30	30, 24	30, 24	
Depth (in.)	48, 42, 40	36, 32	48, 42	48, 42, 36	48, 42	42	
Usable Depth (in.)	46, 40, 38	34, 30	44, 37	46, 40, 34	46, 40	41	
Max. Rail Placement (in.)	35	34, 30	42, 35	45, 39, 33	30	34	
UL Rail Rating/Max. Static Weight (lbs.)	3300/4000	1500/2500	3000	1500/2500	1500/6000	5000	
19" Mounting Rails	- 3/8" sq. or #10-32 - Fully adjustable, front to rear - RMU markings - Flexible mounting profile - Lacing points	- 3/8" sq. or #10-32 - Fully adjustable, front to rear - RMU markings - Flexible mounting profile - Lacing points	- 3/8" sq. - Front to rear adjustable in 6.35mm increments - RMU markings	- 3/8" sq. - Fully adjustable, front to rear - RMU markings - Flexible mounting profile - Square hole pattern accepts "D" rings - Lacing points	- 3/8" sq. - Fully adjustable, front to rear - RMU markings - Flexible mounting profile - Lacing points	- 3/8" sq. or #10-32 - Fully adjustable, front to rear - RMU markings - Flexible mounting profile (30"W only) - 19-23" reversible rails (30"W only)	
Cable Management Options	- Vertical cable troughs and managers - Side car - Top trough and ladder rack brackets - Front-to-rear cable trough - Horizontal/vertical cable bars - Finger rail kits - Horizontal cable organizers, 19"	- Horizontal/vertical cable bars - Finger rail kits - Horizontal cable organizers, 19"	- PDU/cable management rail - Vertical cable trough - Horizontal cable organizers, 19"	- Vertical raceways to second & third bays - Raceway entry from top or bottom of cabinet - ¼ turn "D" rings - Finger rail kits - Horizontal cable organizers, 19"	- Vertical PDU/lacing bar in each rear corner - Cable trough - Finger rail kits - Horizontal cable organizers, 19"	- Vertical lacing bar welded in each rear corner - Vertical cable bar, front corner - Finger rail kits - Horizontal cable organizers, 19"	
Airflow Options	- Aisle containment - Exhaust chimney - Air manager - Brush grommet for knockouts - Brush grommet rail kit	- Fan assisted doors - Fan assisted top panels - 19" fan trays	- Top cabinet fan assembly - 19" fan trays	- Mesh front door - Rear door with two, 75 CFM fans	- Aisle containment - Mesh front and rear doors	- Fan assembly and exhaust filter - AC units	
Power Options	Two sets of PDU brackets with up to 3 (42"D) or 5 (48"D) mounting positions	Optional PDU bracket with 1 mounting position	One PDU/ cable management rail with up to 2 mounting positions	19" PDUs and standard power strips available	One Vertical PDU/lacing bar in each rear corner; mount up to 1 PDU per bar	Vertical lacing bar with keyhole pattern for button mounting PDUs	
Color	Black, Winter White	Black, Winter White	Black	Black	Black, Winter White	Black	
Standards	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II	GR-63-CORE, RoHS II	UL508A, NEMA 250 Type 12, RoHS II	



ES CABINETS



MOST CONFIGURABLE CABINET FOR EVOLVING DATA CENTER NEEDS

- POWER:** Dedicated space in the rear to install PDUs and vertical cable troughs
- AIRFLOW:** Supports best practices, aisle containment, exhaust chimney, etc.
- INTERNAL CABLE MNGT:** Hundreds of attachment points along FMP and frame for fingers, bars, etc.
- EXTERNAL CABLE MNGT:** Fully welded frame to support ladder rack and troughs
- CONNECTIVITY:** Accessories to support low-to-high density cable applications
- SECURITY:** Create a SEAL® solution that deters and delays physical threats
- FLEXIBLE MOUNTING PROFILE:** FMP holes along the rail for zero-U accessory mounting
- 19" EIA MOUNTING RAILS:** Max static weight capacity of 4000 lbs. (3300 UL rating)

Country of Origin, USA

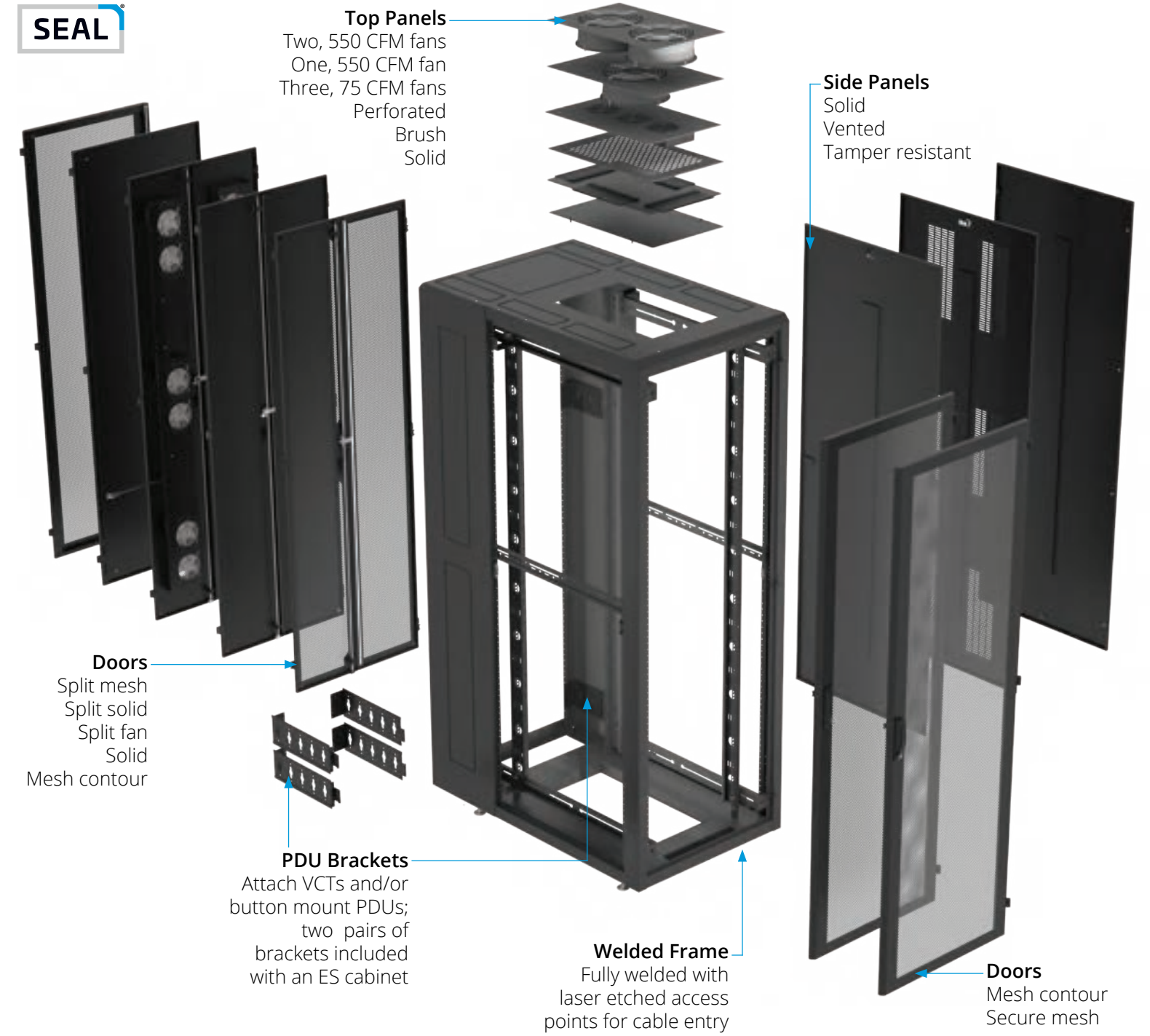
Using the attribute chart below, select an option from each column to designate a standard ES cabinet
 EXAMPLE: GL840ES-3048-W-MS (84"H x 30"W x 48"D, Winter White, Mesh Contour front/rear doors)

HEIGHT	WIDTH	DEPTH	COLOR	DOORS
GLxxxES-	xx	xx-	x-	xx
980 (52U, 98")	24	42 ³	B (Black)	MS (Mesh contour front/rear)
910 (48U, 91")	30	48 ⁴	W (White)	MSS (Mesh contour front/split mesh)
840 (44U, 84")	32 ²			
790 (42U, 79")				
480 (24U, 48") ¹				

¹48"H available in 24" W x 42"D only; ²32" width available in 84" height only; ³42"D cabinets include PDU brackets with up to 3 mounting positions; ⁴48"D cabinets include PDU brackets with up to 5 mounting positions

COMPLETE CABINET INCLUDES: Fully welded frame with levelers (2.5"H; not installed unless specified at time of order) and two pair of PDU brackets; front and rear doors as configured; solid top panel; solid side panels (2) with locking cam; 3/8" sq. (M6) mounting rails with rack mount hardware; solid top panel; UL2416

POPULAR ACCESSORIES		
PART NO.	DESCRIPTION	COMPATIBLE ES
7208-ES	Set of 4 non-locking plate casters	All ES
AK101	Seismic anchor kit, four torque controlled expansion anchors	All ES
CBB-72	Vertical copper bus bar, 66"L, isolated, Install along the rail FMP	79/84"H ES
CBB-78	Vertical copper bus bar, 76"L, isolated, Install along the rail FMP	91/98"H ES
CH-06	Locking swing handle with 4-digit combination	All ES



84"H x 30"W x 48"D frame shown, six top cabinet knockouts are part of 30/32" frames only

CHOOSE A STANDARD CONFIGURATION OR MAKE IT YOUR OWN

ES: BUILD YOUR OWN

1. CHOOSE A FRAME

Frame with two pairs of PDU brackets and 3/8" sq. (M6) mounting rails with rack mount hardware; 3300 lb. weight capacity

Part No.	W"	D"	Part No.	W"	D"	Part No.	W"	D"	Part No.	W"	D"
98"H, 52U ES FRAMES			91"H, 48U ES FRAMES			84"H, 44U ES FRAMES			79"H, 42U ES FRAMES		
9801ES-3048	30	48	9101ES-3048	30	48	8401ES-3248	32	48	7901ES-3048	30	48
9801ES-3042	30	42	9101ES-3042	30	42	8401ES-3242	32	42	7901ES-3042	30	42
9801ES-2448	24	48	9101ES-2448	24	48	8401ES-3048	30	48	7901ES-2448	24	48
9801ES-2442	24	42	9101ES-2442	24	42	8401ES-3042	30	42	7901ES-2442	24	42
						8401ES-2448	24	48			
						8401ES-2442	24	42			

2. CHOOSE DOORS

Door with locking swing handle; visit GreatCabinets.com for images and specifications



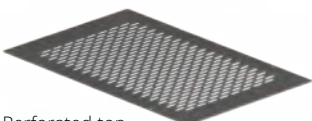
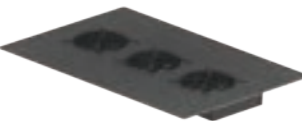


Frame Size	Secure Mesh w/ 3-pt Latch	Hex Mesh w/ 3-pt Latch	Mesh Contour	Split Mesh	Solid	Split Solid	Split Fan
98"H DOORS							
98"H x 30"W	9802E-MC29SLF, front 9802E-MC29SLR, rear	9802E-MC29HSLF, front 9802E-MC29HSLR, rear	9802E-MC29	9802E-29SM	9803E-29	9803E-SS29	9803E-SF29
98"H x 24"W	9802E-MC24SL	9802E-MC24HSLF	9802E-MC24	9802E-24SM	9803E-24	9803E-SS24	9803E-SF24
91"H DOORS							
91"H x 30"W	9102E-MC29SLF, front 9102E-MC29SLR, rear	9102E-MC29HSLF, front 9102E-MC29HSLR, rear	9102E-MC29	9102E-29SM	9103E-29	9103E-SS29	9103E-SF29
91"H x 24"W	9102E-MC24SL	9102E-MC24HSLF	9102E-MC24	9102E-24SM	9103E-24	9103E-SS24	9103E-SF24
84"H DOORS							
84"H x 30/32"W	8402E-MC29SLF, front 8402E-MC29SLR, rear	8402E-MC29HSLF, front 8402E-MC29HSLR, rear	8402E-MC29	8402E-29SM	8403E-29	8403E-SS29	8403E-SF29
84"H x 24"W	8402E-MC24SL	8402E-MC24HSLF	8402E-MC24	8402E-24SM	8403E-24	8403E-SS24	8403E-SF24
79"H DOORS							
79"H x 30"W	7902E-MC29SLF, front 7902E-MC29SLR, rear	7902E-MC29HSLF, front 7902E-MC29HSLR, rear	7902E-MC29	7902E-29SM	7903E-29	7903E-SS29	7903E-SF29
79"H x 24"W	7902E-MC24SL	7902E-MC24HSLF	7902E-MC24	7902E-24SM	7903E-24	7903E-SS24	7903E-SF24

3. CHOOSE SIDES

Solid and Vented: pair of lift-off panels with locking cam. Tamper resistant: pair of solid panels that are internally secure; visit GreatCabinets.com for images and specifications

Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
98"H SIDE PANELS		91"H SIDE PANELS		84"H SIDE PANELS		79"H SIDE PANELS	
9810-36ELS	Pair of Solid Sides	9110-36ELS	Pair of Solid Sides	8410-36ELS	Pair of Solid Sides	7910-36ELS	Pair of Solid Sides
9811-36ELL	Pair of Vented Sides	9111-36ELL	Pair of Vented Sides	8411-36ELL	Pair of Vented Sides	7911-36ELL	Pair of Vented Sides
9810-36EIS	Pair of Tamper Resistant Sides	9110-36EIS	Pair of Tamper Resistant Sides	8410-36EIS	Pair of Tamper Resistant Sides	7910-36EIS	Pair of Tamper Resistant Sides

4. CHOOSE A TOP

 TPES-S Solid top TPES-SCC Solid top, tamper resistant	 TPES-B Brush top	 TPES-P Perforated top TPES-PCC Perforated top, tamper resistant
 TPES-F Three, 75 CFM fans, 115V top, 6' power cord	 TPES-F10 One, 550 CFM fan, 115V top, 6' power cord	 TPES-2F10 Two, 550 CFM fans, 115V top, 6' power cord

5. CHOOSE A BOTTOM

Part No.	Compatible ES	Part No.	Compatible ES
30/32"W SOLID BOTTOM			
BPSES3048	30/32"W x 48"D ES sizes	BPSES2448	24"W x 48"D ES sizes
BPSES3042	30/32"W x 42"D ES sizes	BPSES2442	24"W x 42"D ES sizes
30/32"W BRUSH BOTTOM			
BPBES3048	30/32"W x 48"D ES sizes	BPBES2448	24"W x 48"D ES sizes
BPBES3042	30/32"W x 42"D ES sizes	BPBES2442	24"W x 42"D ES sizes

6. CABINET ACCESSORIES AND EXTRAS

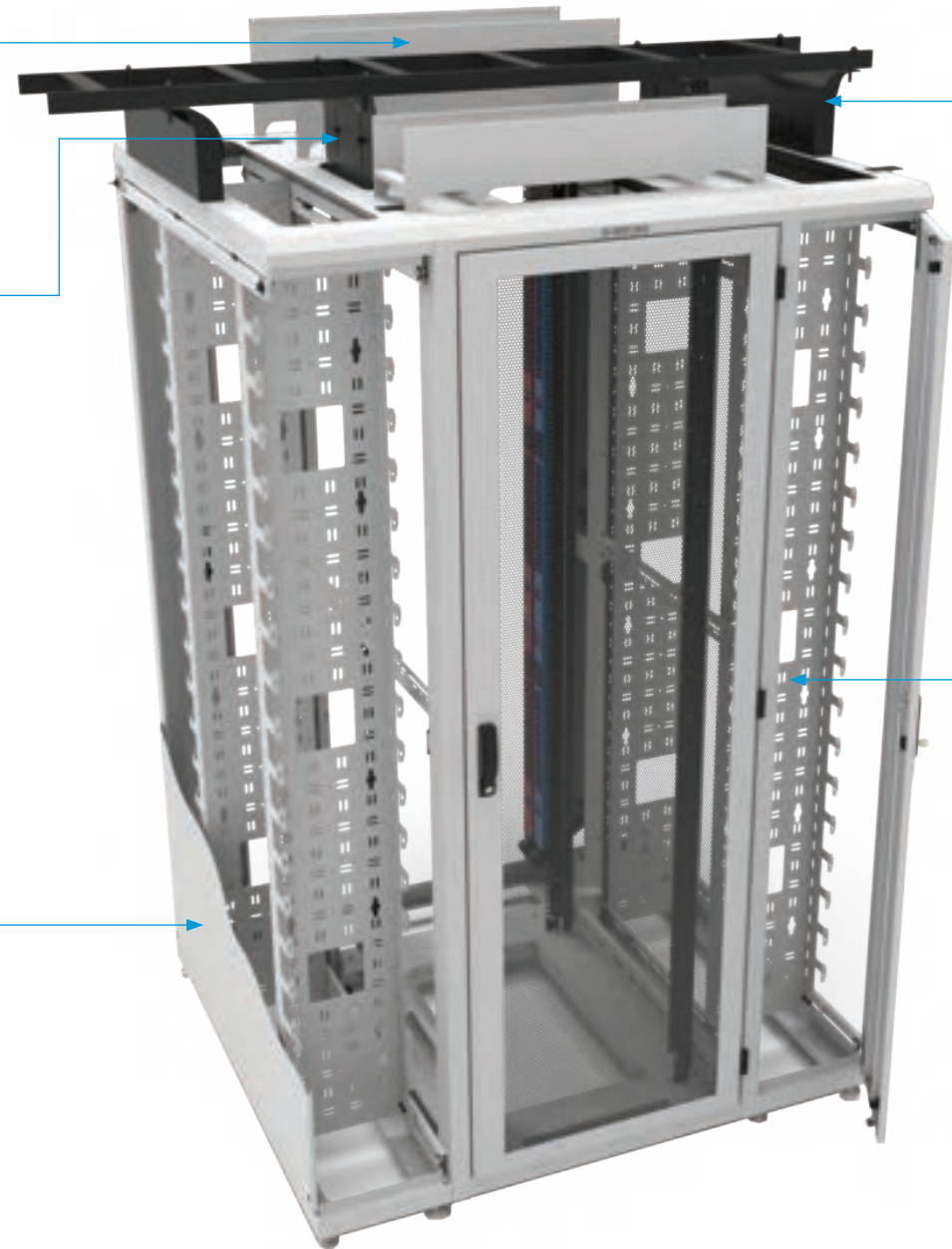
For casters, levelers, and other options, see page 49

ES EXTERNAL CABLE MANAGEMENT

Top Cable Trough
No ladder rack or overhead building changes needed—support cables with a single product

Ladder Rack Bracket
Height adjustable LRB; use on cabinets of various heights

Side Car Side Panel
Add an optional panel when side car is used at the end of a row



Waterfall Ladder Rack Bracket
3" bend radius helps maintain proper cable standards

Side Car
Improve airflow in the cabinet and create better network installations; a dedicated space for cable management and power; includes keyhole pattern to button mount PDUs

84"H x 30"W x 42"D frame shown, six top cabinet knockouts are part of 30/32" frames only

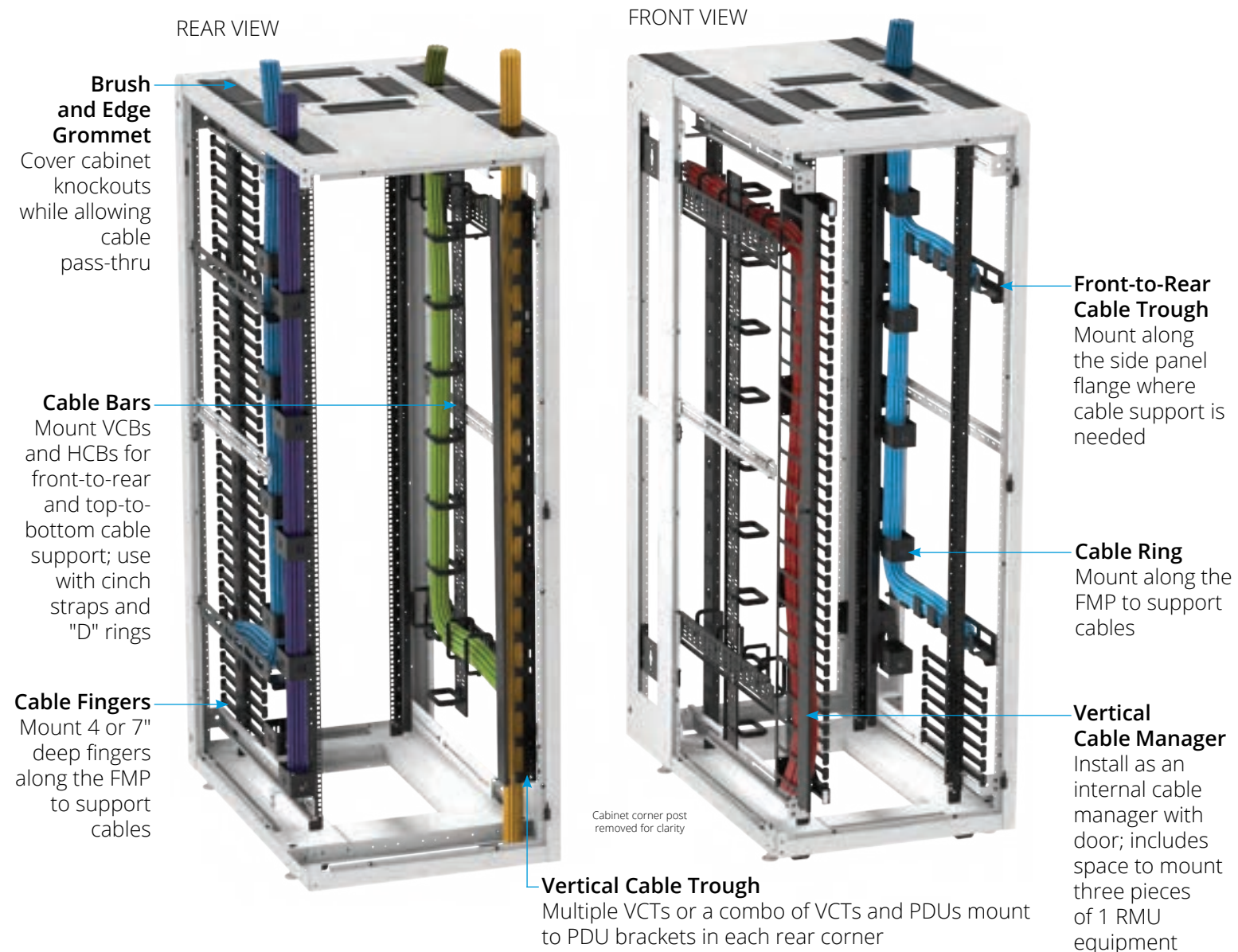
SUPPORT OVERHEAD CABLES WITH AS LITTLE AS ONE PART



Part No.	Description	Compatible ES
SIDE CAR		
Depth adjustable troughs with obround pattern for cinch straps and keyhole pattern for button mounting PDUs; dual hinge front and rear door; optional cover panel available when used at end of row		
SC129848	98"H X 12"W X 48"D SC	98"H x 48"D ES
SC69848	98"H X 6"W X 48"D SC	98"H x 48"D ES
SCP9848	Cover for 98"H x 48"D SC	98"H x 48"D ES
SC129842	98"H X 12"W X 42"D SC	98"H x 42"D ES
SC69842	98"H X 6"W X 42"D SC	98"H x 42"D ES
SCP9842	Cover for 98"H x 42"D SC	98"H x 42"D ES
SC129148	91"H X 12"W X 48"D SC	91"H x 48"D ES
SC69148	91"H X 6"W X 48"D SC	91"H x 48"D ES
SCP9148	Cover for 91"H x 48"D SC	91"H x 48"D ES
SC129142	91"H X 12"W X 42"D SC	91"H x 42"D ES
SC69142	91"H X 6"W X 42"D SC	91"H x 42"D ES
SCP9142	Cover for 91"H x 42"D SC	91"H x 42"D ES
SC128448	84"H X 12"W X 48"D SC	84"H x 48"D ES
SC68448	84"H X 6"W X 48"D SC	84"H x 48"D ES
SCP8448	Cover for 84"H x 48"D SC	84"H x 48"D ES
SC128442	84"H X 12"W X 42"D SC	84"H x 42"D ES
SC68442	84"H X 6"W X 42"D SC	84"H x 42"D ES
SCP8442	Cover for 84"H x 42"D SC	84"H x 42"D ES
SC127948	79"H X 12"W X 48"D SC	79"H x 48"D ES
SC67948	79"H X 6"W X 48"D SC	79"H x 48"D ES
SCP7948	Cover for 79"H x 48"D SC	79"H x 48"D ES
SC127942	79"H X 12"W X 42"D SC	79"H x 42"D ES
SC67942	79"H X 6"W X 42"D SC	79"H x 42"D ES
SCP7942	Cover for 79"H x 42"D SC	79"H x 42"D ES

Part No.	Description	Compatible ES
WATERFALL LADDER RACK BRACKET		
Part number includes single bracket; load rating 100 lbs.		
4PLRBV4-8	Configure LRB to 4, 6, and 8" height; supports 12-24"W ladder	All ES
LADDER RACK BRACKET, FIXED HEIGHT		
Part number includes single bracket with integrated radius; use on cabinets of same height when in a row; load rating of 100 lbs.		
LRB-12	3" LRB supports 12"W ladder	All ES
LRB-24	3" LRB supports 12-24"W ladder	All ES
LADDER RACK BRACKET, ADJUSTABLE HEIGHT		
Part number includes single bracket with integrated radius; use on cabinets of various heights when in a row; load rating of 100 lbs.		
LRB-12A1	6-11.5" LRB supports 12"W ladder	All ES
LRB-12A2	14-24" LRB supports 12"W ladder	All ES
LRB-24A1	6-11.5" LRB supports 12-24"W ladder	All ES
LRB-24A2	14-24" LRB supports 12-24"W ladder	All ES
TOP CABLE TROUGH		
Trough installs directly on cabinet top and requires no additional brackets or hardware (when compared to ladder rack) to support cable bundles		
TCT32HD	12"W x 6"D x 32"L trough	32"W ES
TCT32	6.5"W x 4"D x 32"L trough	32"W ES
TCT30HD	12"W x 6"D x 30"L trough	30"W ES
TCT30	6.5"W x 4"D x 30"L trough	30"W ES
TCT24HD	12"W x 6"D x 24"L trough	24"W ES
TCT24	6.5"W x 4"D x 24"L trough	24"W ES
TCT1206EC	End cap assembly	Use with TCTHD
TCT30EC	End cap assembly	Use with TCT30, TCT32
TCT24EC	End cap assembly	Use with TCT24

ES INTERNAL CABLE MANAGEMENT



84"H x 30"W x 42"D frame shown, six top cabinet knockouts are part of 30/32" frames only, not all accessories shown are compatible with smaller cabinets

INTERNAL OPTIONS FOR MAXIMUM FLEXIBILITY



Part No.	Description	Compatible ES
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CABLE BARS

Kits include one vertical cable bar (VCB), two horizontal cable bars (HCB), and six 12"L cinch straps; single VCBs must be used with a kit; all bars feature square hole pattern to use with optional ¼ turn "D" rings and obround pattern for cinch straps

VCB-9836	82"H x 4"W VCB Kit	98"H ES
VCB-9136	75"H x 4"W VCB Kit	91"H ES
VCB-8436	68"H x 4"W VCB Kit	84"H ES
VCB-7936	62"H x 4"W VCB Kit	79"H ES
VCB-91	75"H x 4"W single VCB	91"H ES
VCB-84	68"H x 4"W single VCB	84"H ES
VCB-79	62"H x 4"W single VCB	79"H ES
HCB-36	29.5"H x 4"W single HCB	All ES
CM-25	¼ turn "D" rings 1.5" x 3.5", set of 10	All ES
CM-26	¼ turn "D" rings 3.5" x 5", set of 10	All ES

Part No.	Description	Compatible ES
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VERTICAL CABLE TROUGH

Install in rear corner of the ES; mounts to standard ES PDU brackets

VCT-98	82"H x 3"W x 2.5"D VCT	98"H ES
VCT-98C	Cover for VCT-98	98"H ES
VCT-91	76"H x 3"W x 2.5"D VCT	91"H ES
VCT-91C	Cover for VCT-91	91"H ES
VCT-84	68"H x 3"W x 2.5"D VCT	84"H ES
VCT-84C	Cover for VCT-84	84"H ES
VCT-79	62"H x 3"W x 2.5"D VCT	79"H ES
VCT-79C	Cover for VCT-79	79"H ES

Part No.	Description	Compatible ES
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VERTICAL CABLE MANAGER

Manager with fingers and hinged cover (magnetic close) installs alongside the rail; includes space to vertically mount three, 1 RMU pieces of equipment

VCM-98K	82.25"H x 3.78"W x 7.5"D VCM	98"H x 30"W ES
VCM-91K	75.25"H x 3.78"W x 7.5"D VCM	91"H x 30"W ES
VCM-84K	70"H x 3.78"W x 7.5"D VCM	84"H x 30/32"W ES
VCM-79K	63"H x 3.78"W x 7.5"D VCM	79"H x 30"W ES

Part No.	Description	Compatible ES
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FRONT-TO-REAR CABLE TROUGH

Mounts to side panel flange; independent of EIA rail depth

HCM-D36	2.5"H x 2.6"W x 29"L trough	30/32"W ES
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Part No.	Description	Compatible ES
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FINGERS & RINGS

Mount along the FMP of ES rails; when fingers are used on front rails, rails must be recessed

CM-47	4" X 7 RMU, single finger section	All ES
ESC-K12	4" x 7 RMU, set of 12 finger sections	All ES
CM-77	7" X 7 RMU, single finger section	All ES
ESC-K12-7	7" x 7 RMU, set of 12 finger sections	All ES
CM-11	3"W x 5"D, set of five rings	30/32"W ES

Part No.	Description	Compatible ES
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ZERO-U MOUNTING BRACKETS

Set of two brackets mount along the FMP of ES rails to vertically mount 19" equipment

ZR2	Mounts 2 RMU of equipment	30/32"W ES
ZR1	Mounts 1 RMU of equipment	30/32"W ES

Part No.	Description	Compatible ES
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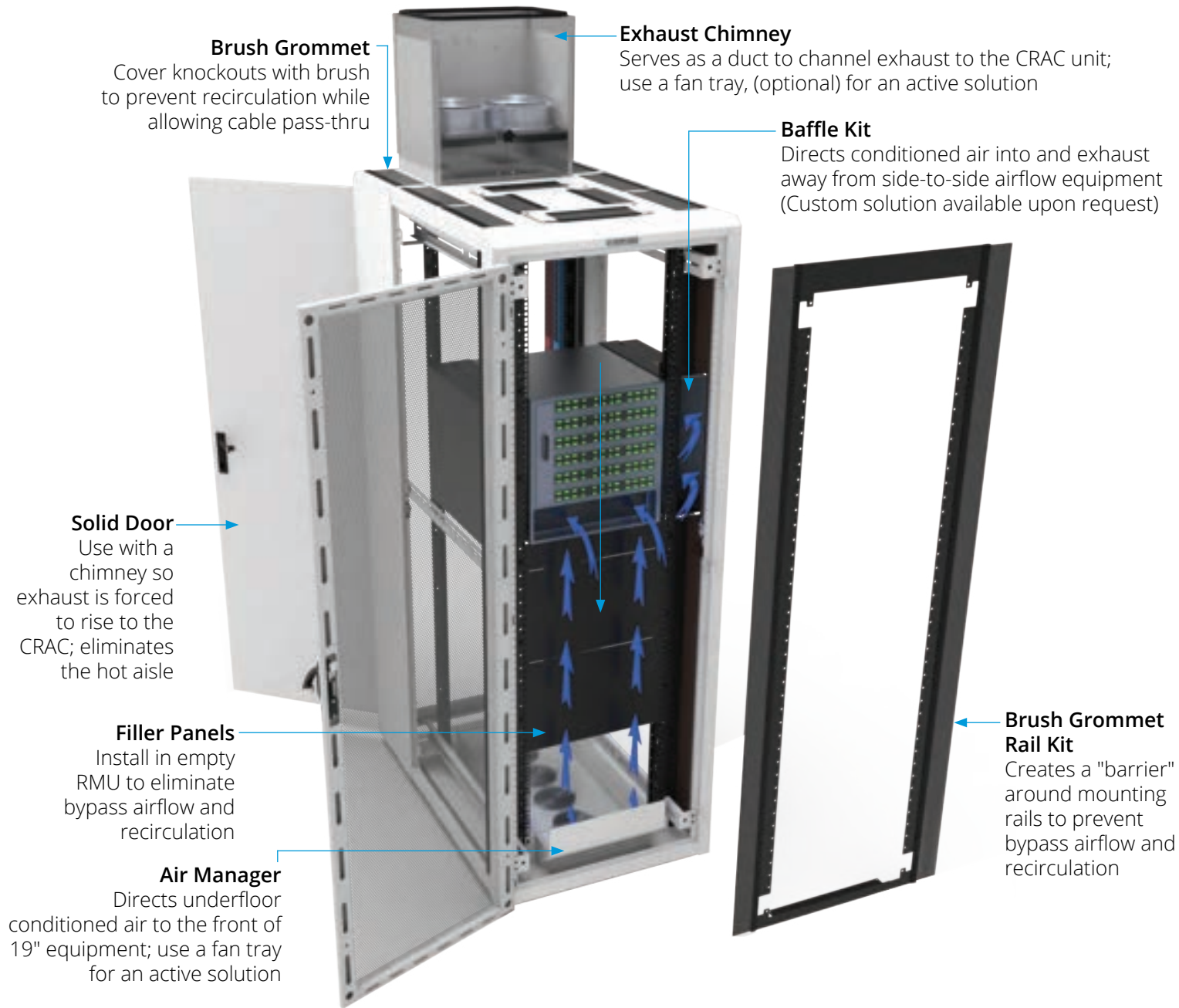
CINCH STRAPS

Use with parts that feature obround pattern (mounting rails, VCB, VCT, etc); single cinch strap with thru-hole for screw

CM-01	1/2"W x 12"L, single strap, black	All ES
CM-06	3/4"W x 6"L, single strap, black	All ES

For 19" cable organizers and other rack mount accessories, see page 118

▶ ES AIRFLOW



84"H x 30"W x 42"D frame shown; *Fan door should not be used in conjunction with an exhaust chimney

SEGREGATE AIRFLOW IN THE CABINET FOR A LOCALIZED CONTAINMENT SOLUTION



Part No.	Description	Compatible ES
BRUSH GROMMET RAIL KIT		
Rail-height metal strip and brush grommet installs along FMP; extends from the rail to side panel to prevent air recirculation while allowing cable pass-thru		
BGRK-98-30	Brush grommet rail kit	98"H x 30"W ES
BGRK-98-24	Brush grommet rail kit	98"H x 24"W ES
BGRK-91-30	Brush grommet rail kit	91"H x 30"W ES
BGRK-91-24	Brush grommet rail kit	91"H x 24"W ES
BGRK-84-32	Brush grommet rail kit	84"H x 32"W ES
BGRK-84-30	Brush grommet rail kit	84"H x 30"W ES
BGRK-84-24	Brush grommet rail kit	84"H x 24"W ES
BGRK-79-30	Brush grommet rail kit	79"H x 30"W ES
BGRK-79-24	Brush grommet rail kit	79"H x 24"W ES

Part No.	Description	Compatible ES
BRUSH GROMMET FOR CABLE PASS-THRU		
Line cabinet knockouts with edge grommet; cover with brush to prevent air recirculation; part number includes edge and brush grommet for specified knockouts		
BGT	Six top cabinet knockouts	30/32"W ES
TP48ESBB	Top chimney knockout	48"D ES
TP42ESBB	Top chimney knockout	42"D ES
BGS-98-48	Two side cabinet knockouts	98"H x 48"D ES
BGS-98	Two side cabinet knockouts	98"H x 42"D ES
BGS-91-48	Two side cabinet knockouts	91"H x 48"D ES
BGS-91	Two side cabinet knockouts	91"H x 42"D ES
BGS-84-48	Two side cabinet knockouts	84"H x 48"D ES
BGS-84	Two side cabinet knockouts	84"H x 42"D ES
BGS-79-48	Two side cabinet knockouts	79"H x 48"D ES
BGS-79	Two side cabinet knockouts	79"H x 42"D ES

Part No.	Description	Compatible ES
EXHAUST CHIMNEY		
Adjustable height chimney serves as a duct that channels exhaust to the plenum/CRAC unit		
GL-ECHF-48-1832	High flow chimney, 18-32"	48"D ES
GL-ECHF-48-3246	High flow chimney, 32-46"	48"D ES
GL-ECHFFT48	High flow fan tray, 2260 CFM	48"D ES
GL-EC-48-1832	Chimney, 18-32"	48"D ES
GL-EC-48-3246	Chimney, 32-46"	48"D ES
GL-ECFT48	Fan tray, 1200 CFM	48"D ES
GL-EC-42-1832	Chimney, 18-32"	42"D ES
GL-EC-42-3246	Chimney, 32-46"	42"D ES
GL-ECFT42	Fan tray, 1200 CFM	42"D ES

Part No.	Description	Compatible ES
AIR MANAGER		
Adjustable air manager mounts in the bottom EIA of the cabinet and directs underfloor conditioned air to the front of rack mount equipment		
AM-HFES	High flow air manager, 2 RMU	All ES
AM-HFFTES30	High flow fan tray, 940 CFM	30/32"W ES
AM-HFFTES24	High flow fan tray, 940 CFM	24"W ES
AM-ES	Air manager, 1 RMU	All ES
AM-FTES30	Fan tray, 600 CFM	30/32"W ES
AM-FTES24	Fan tray, 600 CFM	24"W ES

For 19" cable organizers, filler panels and other rack mount accessories, see page 118



E CABINETS

EXTENSIVE LINE OF CABINETS FOR USE IN SMALL-TO-LARGE DEPLOYMENTS

POWER: Optional PDU brackets allow button mounting of PDUs

AIRFLOW: 19" fan trays and/or appropriate top panels and doors to suit the application

CONNECTIVITY: Quick-install accessories provide cable management support inside the cabinet; horseshoe knockouts on all top panels allow overhead cable access

SECURITY: Optional cabinet components and access control creates a SEAL® solution that deters and delays physical threats

FLEXIBLE MOUNTING PROFILE: FMP, holes along the rail for zero-U accessory mounting

19" EIA MOUNTING RAILS: Max static weight capacity of 2500 lbs. (1500 UL rating); 600 lb

UL Rating for 60" and smaller cabinets

Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard E cabinet

EXAMPLE: GL840E-2432-B-SQM6MS (84"H x 24"W x 32"D, Black, M6 rails, Mesh front/rear doors, solid top)

HEIGHT	WIDTH	DEPTH	COLOR	MOUNTING	DOORS & TOPS
GLxxxE-	xx	xx-	x-	xxxx	xx
840 (44U, 84")	24	32	B (Black)	1032 (#10-32 tapped)	MS (Mesh front/rear, solid top)
720 (37U, 72")	29	36	W (White)	SQM6 (3/8" sq. M6)	P (Plexi front, PV solid rear, perf. top)
600 (31U, 60")*					
480 (24U, 48")*					
300 (13U, 30")*					

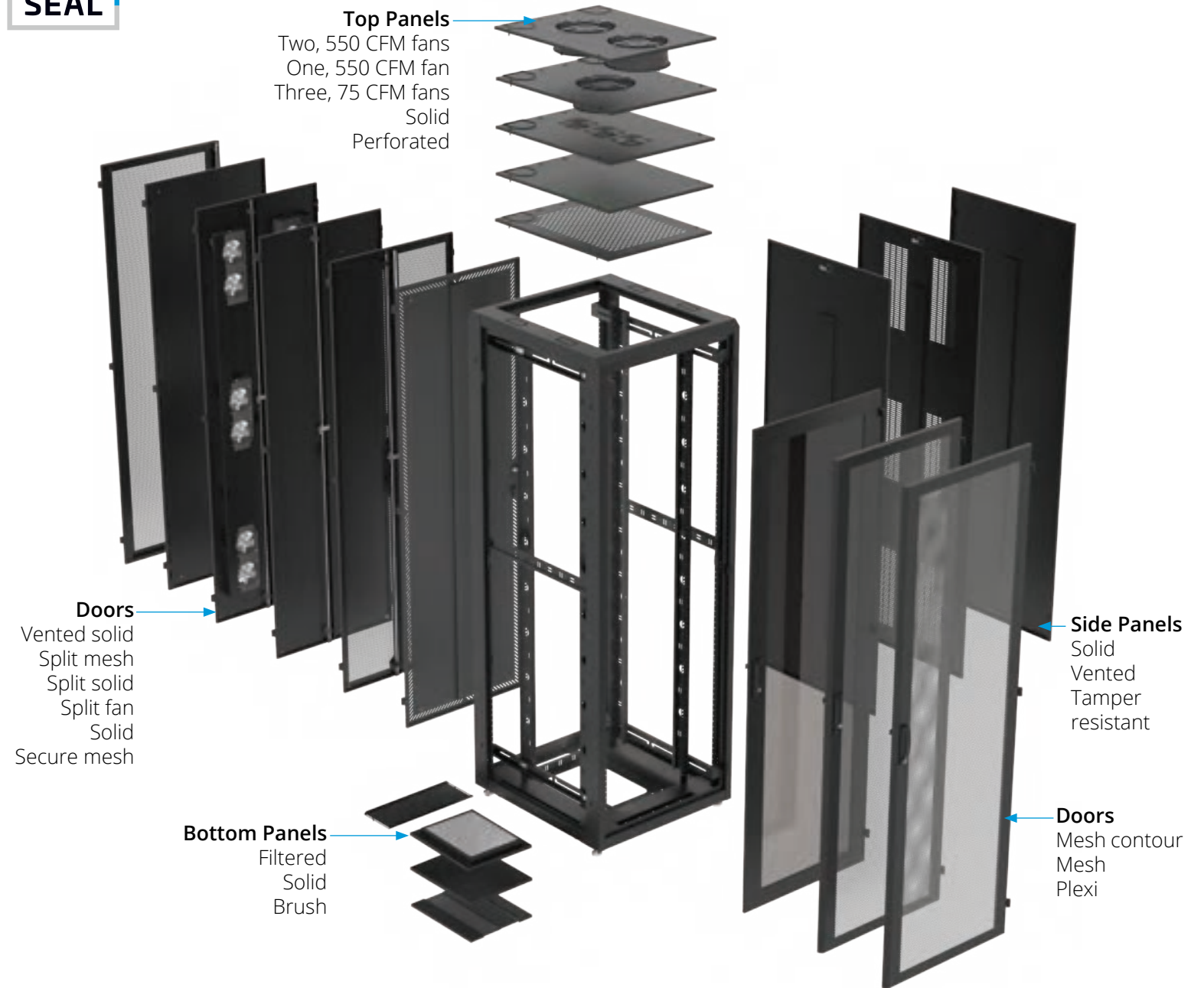
*60, 48, 30" cabinets available in 24"W x 32"D only

COMPLETE CABINET INCLUDES: Fully welded frame with levelers (2.5"H; not installed unless specified at time of order); front and rear doors with top panel as configured; solid side panels (2) with locking cam; mounting rails as configured with rack mount hardware; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION	COMPATIBLE E
7208-E	Set of stem casters, 2 locking, 2 non-locking	All E
AK101	Seismic anchor kit, four torque controlled expansion anchors	All E
CBB-72	Vertical Copper bus bar, 66"L, isolated, Install along the rail FMP	72/84"H E
CBB-19	Copper Bus Bar for 19" mounting, isolated	All E
CH-06	Locking swing handle with 4-digit combination	All E

SEAL



84"H x 29"W x 32"D frame shown, four top cabinet knockouts are part of 29" frames only, not all accessories shown are compatible with smaller cabinets

SIZE AND OPTIONS FOR SMALL OFFICE TO DATA CENTER ENVIRONMENTS

E: BUILD YOUR OWN

1. CHOOSE A FRAME

Frame with two pairs 3/8" sq. (M6) mounting rails with rack mount hardware; 1500 lb. weight capacity (84"H and 72"H frames); 600 lb. weight capacity (60" and smaller frames)

Part No.	RMU	H"	W"	D"	Part No.	RMU	H"	W"	D"	Part No.	RMU	H"	W"	D"
84"H E FRAMES					72"H E FRAMES					60"H & SMALLER E FRAMES				
8401E-2936	44	84	29	36	7201E-2936	37	72	29	36	6001E-2432	31	60	24	32
8401E-2932	44	84	29	32	7201E-2932	37	72	29	32	4801E-2432	24	48	24	32
8401E-2436	44	84	24	36	7201E-2436	37	72	24	36	3001E-2432	13	30	24	32
8401E-2432	44	84	24	32	7201E-2432	37	72	24	32					

2. CHOOSE DOORS

Door with locking swing handle; visit GreatCabinets.com for images and specifications

Frame Size	Plexiglas	Mesh	Split Mesh	Solid	Split Solid	Perimeter Vented Solid	Split Fan
84"H DOORS							
84"H x 29"W	8402E-29	8402E-M29	8402E-29SM	8403E-29	8403E-SS29	8404E-29	8403E-SF29
84"H x 24"W	8402E-24	8402E-M24	8402E-24SM	8403E-24	8403E-SS24	8404E-24	8403E-SF24
72"H DOORS							
72"H x 29"W	7202E-29	7902E-M29	7902E-29SM	7203E-29	N/A	7204E-29	N/A
72"H x 24"W	7202E-24	7902E-M24	7902E-24SM	7203E-24	N/A	7204E-24	N/A
60"H & SMALLER DOORS							
60"H x 24"W	6002E-24	6002E-M24	N/A	6002E-24SM	N/A	6004E-24	N/A
48"H x 24"W	4802E-24	4802E-M24	N/A	4802E-24SM	N/A	4804E-24	N/A
30"H x 24"W	3002E-24	3002E-M24	N/A	3002E-24SM	N/A	3004E-24	N/A


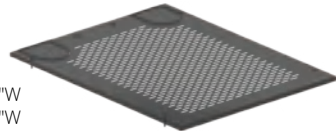

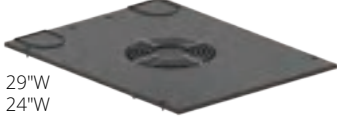




3. CHOOSE SIDES

Solid and Vented: pair of lift-off panels with locking cam; visit GreatCabinets.com for images and specifications

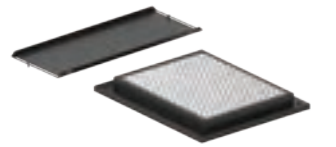
Part No.	Compatible E	Part No.	Compatible E	Part No.	Compatible E	Part No.	Compatible E
84"H SIDE PANELS		72"H SIDE PANELS		60"/48"H SIDE PANELS		30"H SIDE PANELS	
8410-36ELS	Pair of Solid Sides, 36"	7210-36ELS	Pair of Solid Sides, 36"	6010-32ELS	Pair of Solid Sides, 32"	3010-32ELS	Pair of Solid Sides, 32"
8410-32ELS	Pair of Solid Sides, 32"	7210-32ELS	Pair of Solid Sides, 32"	6011-32ELL	Pair of Vented Sides, 32"	3011-32ELL	Pair of Vented Sides, 32"
7210-36ELL	Pair of Vented Sides, 36"	7211-36ELL	Pair of Vented Sides, 36"	4810-32ELS	Pair of Solid Sides, 32"		
7210-32ELL	Pair of Vented Sides, 32"	7211-32ELL	Pair of Vented Sides, 32"	4811-32ELL	Pair of Vented Sides, 32"		

4. CHOOSE A TOP

<p>Solid Top</p>  <p>TPE-29S 29"W TPE-24S 24"W</p>	<p>Perforated Top</p>  <p>TPE-29P 29"W TPE-24P 24"W</p>	<p>Fan Top; three, 75 CFM fans, 115V, 6' power cord</p>  <p>TPE-29F 29"W TPE-24F 24"W</p>
<p>Fan Top; one, 550 CFM fan, 115V, 6' power cord</p>  <p>TPE-29F10 29"W TPE-24F10 24"W</p>	<p>Fan Top; two, 550 CFM fans, 115V, 6' power cord</p>  <p>TPE-292F10 29"W TPE-242F10 24"W</p>	<p>Two, 4" Horseshoe knockouts on every top panel</p> 

5. CHOOSE A BOTTOM

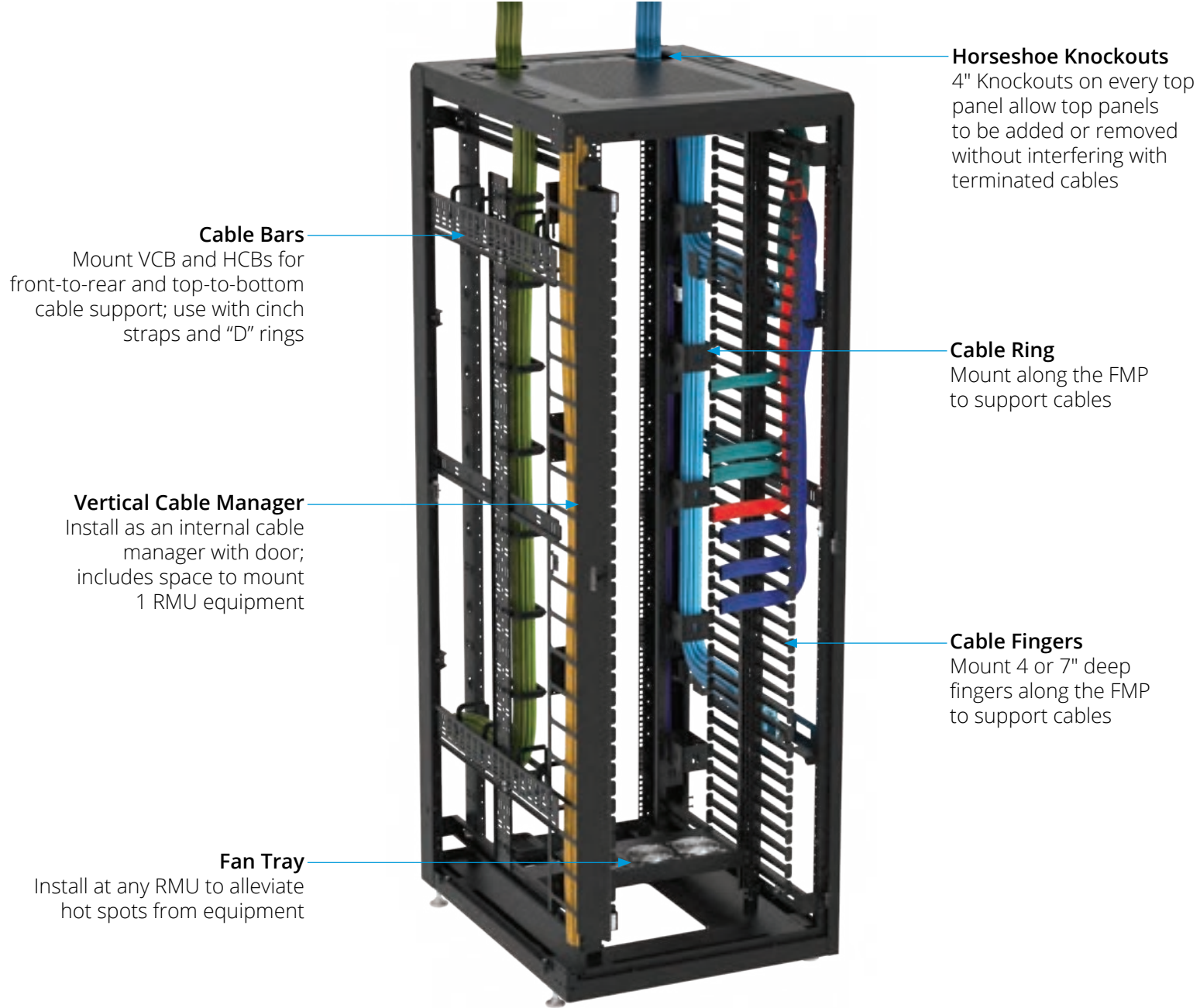
Part No.	Compatible E	Part No.	Compatible E	Part No.	Compatible E
BRUSH BOTTOM		SOLID BOTTOM		FILTERED BOTTOM	
BPB29	84/72"H x 29"W E sizes	BPS29	84/72"H x 29"W E sizes	BPF29	84/72"H x 29"W E sizes
BPB24	84/72"H x 24"W E sizes	BPS24	84/72"H x 24"W E sizes	BPF24	84/72"H x 24"W E sizes
BP-EB	60" and smaller E sizes	BP-ES	60" and smaller E sizes	BP-EF	60" and smaller E sizes



6. CABINET ACCESSORIES AND EXTRAS

For casters, levelers, and other options, see page 49.

▶ E CABLE MANAGEMENT & AIRFLOW



Cable Bars
Mount VCB and HCBs for front-to-rear and top-to-bottom cable support; use with cinch straps and "D" rings

Vertical Cable Manager
Install as an internal cable manager with door; includes space to mount 1 RMU equipment

Fan Tray
Install at any RMU to alleviate hot spots from equipment

Horseshoe Knockouts
4" Knockouts on every top panel allow top panels to be added or removed without interfering with terminated cables

Cable Ring
Mount along the FMP to support cables

Cable Fingers
Mount 4 or 7" deep fingers along the FMP to support cables

84"H x 29"W x 32"D frame shown, four top cabinet knockouts are part of 29" frames only, not all accessories shown are compatible with smaller cabinets

SIMPLE CONFIGURABILITY TO MANAGE CABLES & AIRFLOW



Part No.	Description	Compatible E
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CABLE BARS
Kits include one vertical cable bar (VCB), two horizontal cable bars (HCB), and six 12"L cinch straps; single VCBs must be used with a kit; all bars feature square hole pattern to use with optional ¼ turn "D" rings and obround pattern for cinch straps

VCB-8436	62"H x 4"W VCB Kit	84"H x 36"D E
VCB-8432	62"H x 4"W VCB Kit	84"H x 32"D E
VCB-7236	56"H x 4"W VCB Kit	72"H x 36"D E
VCB-7232	56"H x 4"W VCB Kit	72"H x 32"D E
VCB-4832	32"H x 4"W VCB Kit	48"H x 32"D E
VCB-84	68"H x 4"W single VCB	84"H E
VCB-72	62"H x 4"W single VCB	72"H E
VCB-48	32"H x 4"W single VCB	48"H E
HCB-36	29.5"H x 4"W single HCB	36"D E
HCB-32	25.5"H x 4"W single HCB	32"D E
CM-25	1/4 turn "D" rings, 1.5" x 3.5", set of 10	All E
CM-26	1/4 turn "D" rings, 3.5" x 5", set of 10	All E

Part No.	Description	Compatible E
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VERTICAL CABLE MANAGER
Install alongside the E rail to vertically mount three pieces of 1 RMU equipment; mounts to the FMP on the front face of E rails

VCM-84K	70"H x 3.78"W x 7.5"D VCM	84"H x 29"W E
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Part No.	Description	Compatible E
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ZERO-U MOUNTING BRACKETS
Set of two brackets mount along the FMP of E rails to vertically mount 19" equipment such as patch panels and horizontal cable organizers

ZR2	Mounts 2 RMU of equipment	29"W E
ZR1	Mounts 1 RMU of equipment	29"W E

Part No.	Description	Compatible E
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FINGERS & RINGS
Accessories mount along the FMP of E rails; when fingers are used on front rails, rails must be recessed

CM-47	4" X 7 RMU, single finger section	All E
ESC-K12	4" x 7 RMU, set of 12 finger sections	All E
CM-77	7" X 7 RMU, single finger section	All E
ESC-K12-7	7" x 7 RMU, set of 12 finger sections	All E
CM-11	3"W x 5"D, set of five rings	29"W E

Part No.	Description	Compatible E
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FAN TRAYS FOR 19" MOUNTING
Includes three 75 CFM fans; requires 2 RMU

7217FT-3	Adjustable tray, 115V	All E
7217FT-3-230	Adjustable tray, 207-253V	All E
7217FT	Fixed tray, 115V	All E
7217FT-230	Fixed tray, 207-253V	All E
FTBKT90	Bracket to mount 7217FT at 90° angle	All E

Part No.	Description	Compatible E
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CINCH STRAPS
Use with parts that feature obround pattern (mounting rails, VCBs & HCBs); single cinch strap with thru-hole for screw

CM-01	1/2"W x 12"L, single strap, black	All E
CM-06	3/4"W x 6"L, single strap, black	All E

For 19" cable organizers, filler panels and other rack mount accessories, see page 118

L CABINETS



READY-TO-SHIP CABINET FOR SWIFT DEPLOYMENT

- 3/8" sq. (M6) mounting rails adjustable in 6.35mm increments
- Depth markings along horizontals for easy rail adjustment
- Includes 1 vertical PDU/cable management rail in the rear corner; features obrounds for cinch straps and cutouts for cable routing; provides button mounting of PDUs
- Completely removable top easily facilitates overhead cabling
- Fully open bottom to accommodate large under floor cable applications
- Mesh front door and split mesh rear door provide airflow
- Levelers and casters pre-installed
- UL Rail Rating: 3000 lbs.
- Made in the USA

Using the attribute chart below, select an option from each column to designate a standard L cabinet
EXAMPLE: GL790L-2448MSS (79"H x 24"W x 48"D, mesh front and split mesh rear doors)

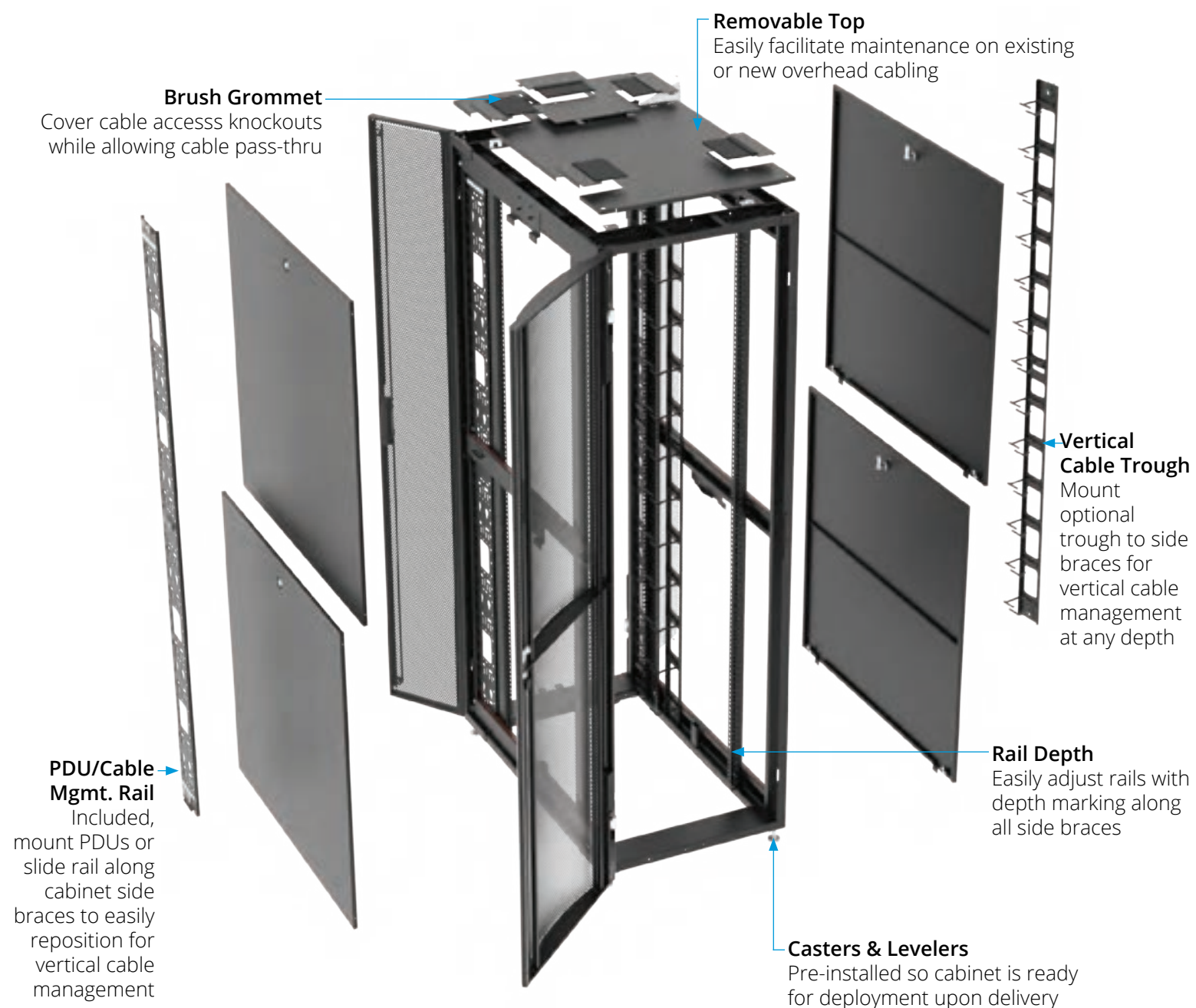
HEIGHT	WIDTH*	DEPTH*	DOORS*
GLxxxL	xx	xx	MSS
910 (47U, 91")*	24	42	MSS (Mesh front & split mesh rear only)
790 (42U, 79")*	32	48	

*Dimensions are nominal; visit GreatCabinets.com for exact dimensions

COMPLETE CABINET INCLUDES: Frame with levelers (2.5"H) and casters installed; PDU cable management rail (qty. 1); mesh front door; split mesh rear door; solid half-height side panels (4) with locking cam; 3/8" sq. (M6) mounting rails with package of hardware and cage nut tool; solid top panel; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION	COMPATIBLE L
VCB-91L	Vertical PDU/cable management rail for button mounting PDUs and lacing points for cinch straps	91"H L
VCB-79L	Vertical PDU/cable management rail for button mounting PDUs and lacing points for cinch straps	79"H L
VCT-91L	Vertical cable trough includes thirteen 3.25" metal cable loops	91"H L
VCT-79L	Vertical cable trough includes thirteen 3.25" metal cable loops	79"H L
7217L	Fan assembly with two 75 CFM fans; remove top gland plate on cabinet for installation	All L



79"H x 24"W x 42"D frame shown

EASY ORDERING AND READY TO "ROLL" UPON DELIVERY



CL CABINETS



DISTINCT SEGREGATION/ACCESS CONTROL TO EACH CABINET BAY

- 3/8" sq. (M6) Mounting rails with Flexible Mounting Profile (FMP) for zero-U accessory mounting, square hole pattern for "D" rings, obrounds for cinch straps
- Dedicated vertical cable management raceways to each bay cannot be accessed from other bays
- Full height, tamper resistant side panels internally secured from all bays
- Locking swing handles (with unique locking core) to each bay
- Top and bottom cable access knockouts to orient raceways as needed (top raceways standard)
- Total max static weight capacity: 2500 lbs.; UL total rail rating, 1500 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard CL cabinet
EXAMPLE: GL840CL-3042-2PF (84"H x 30"W x 42"D, 2 bays (21U/bay), plexi front door and fan rear door)

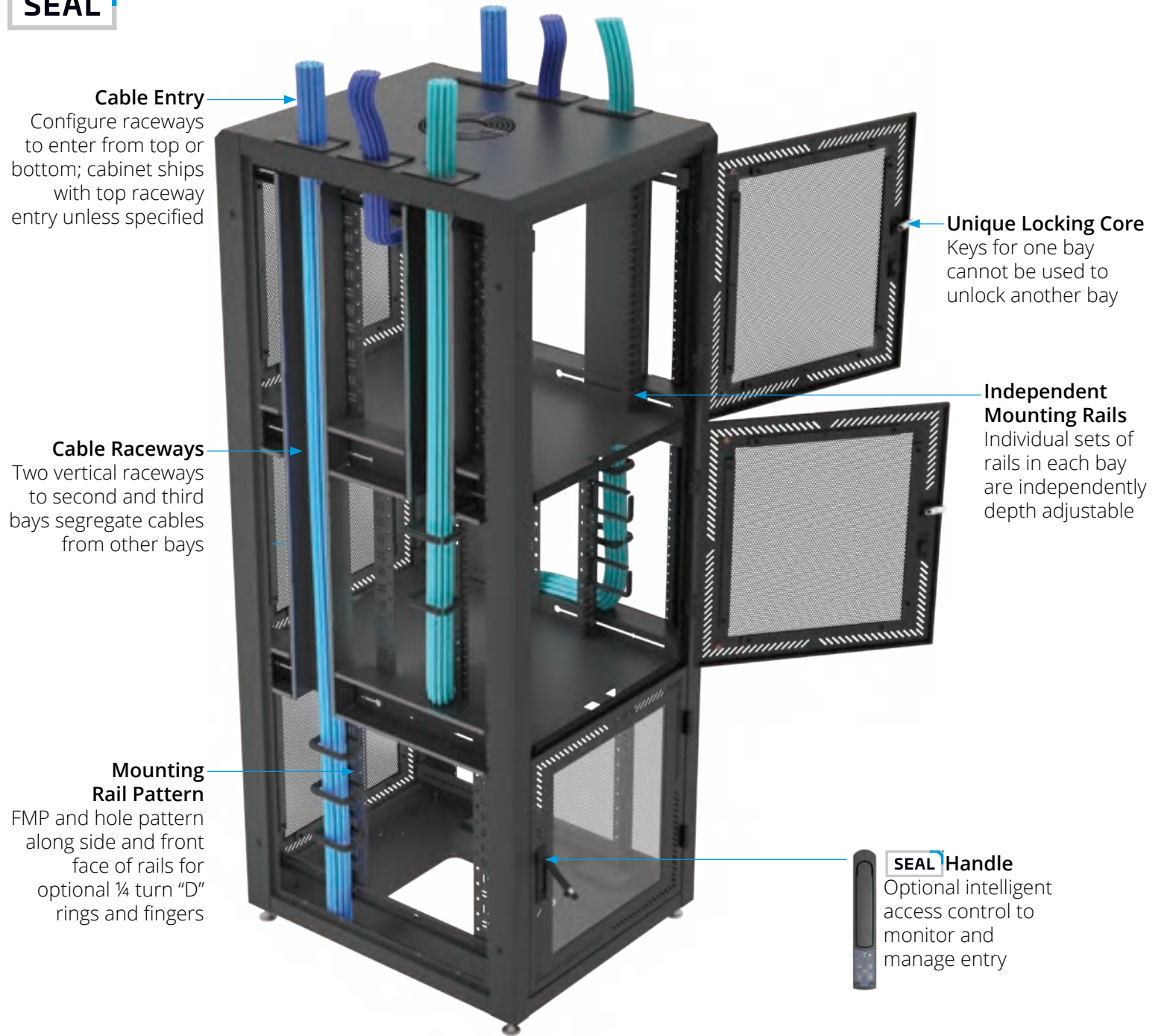
HEIGHT	WIDTH	DEPTH	BAYS	DOORS
GL840CL-	30	xx-	x	xx
84 (only)	30 (only)	36	2 (21U/bay)	MM (mesh front/rear)
		42	3 (14U/bay)	PF (plexi front/fan rear)
		48		

COMPLETE CABINET INCLUDES: Fully welded frame with top; adjustable levelers (2.5"H not installed unless specified at time of order); front and rear door as configured; solid (2) tamper resistant side panels; dedicated cable raceways and entry to each bay (installed towards top, unless specified at time of order); 3/8" sq. (M6) mounting rails with package of hardware; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION	COMPATIBLE CL
7208-E	Set of stem casters, 2 locking, 2 non-locking	All CL
AK101	Seismic anchor kit, four torque controlled expansion anchors	All CL
CBB-19	Copper bus bar for 19" mounting, isolated	All CL
CM-25	¼ Turn "D" Rings, 1.5"x3.5", set of 10, install along the rail	All CL
CM-01	½"W x 12"L Cinch strap with thru-hole for screw, use along the rail	All CL

SEAL



Cable Entry
 Configure raceways to enter from top or bottom; cabinet ships with top raceway entry unless specified

Cable Raceways
 Two vertical raceways to second and third bays segregate cables from other bays

Mounting Rail Pattern
 FMP and hole pattern along side and front face of rails for optional ¼ turn "D" rings and fingers

Unique Locking Core
 Keys for one bay cannot be used to unlock another bay

Independent Mounting Rails
 Individual sets of rails in each bay are independently depth adjustable

SEAL Handle
 Optional intelligent access control to monitor and manage entry

84"H x 30"W x 36"D frame shown

SECURE FEATURES IN EVERY BAY TO PROTECT CUSTOMERS AND EQUIPMENT



EZ CABINETS

SEISMIC ZONE 4 PROTECTION

- Independently tested to meet Telcordia Technologies GR-63-CORE Network Equipment Building Systems (NEBS) requirements
- Welded frame with 3/8" sq. (M6) mounting rails
- Depth adjustable mounting rails with FMP for zero-U accessory mounting
- PDU/Lacing bar installed in each rear corner; keyhole pattern to button mount one PDU
- Doors with 3-point locking swing handle for increased security
- Solid top panel interchangeable with ES tops
- Top cable access locations, 4" round
- Split recessed side panels with locking cam
- Open bottom to facilitate large PDU cords and cable management bundles
- Total max static weight: 6000 lbs.; conforms to NEBS for 1500 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard EZ cabinet
 EXAMPLE: GL52UG2EZ-2448-B-MSS (95.4"H x 24"W x 48"D, Mesh front door and split mesh rear door)

HEIGHT	WIDTH	DEPTH	COLOR	DOORS & TOP
GLxxUG2EZ-	xx	xx-	x-	MSS
52 (52U, 95.4")	24	42	B (Black)	MSS (Mesh front/split mesh rear doors, solid top)
48 (48U, 88.49")	30	48	W (White)	
45 (45U, 83.2")				
42 (42U, 77.9")				

COMPLETE CABINET INCLUDES: Fully welded frame with seismic anchor kit; two vertical PDU/lacing bars (one in each rear corner); mesh front door; split mesh rear door; solid half-height side panels (4) with locking cam; solid top panel; 3/8" sq. (M6) rails with package of hardware; GR-63-CORE Certified (GL52UG2EZ-3048), other sizes conform to GR-63-CORE

POPULAR ACCESSORIES

PART NO.	DESCRIPTION	COMPATIBLE EZ
VCB-xxEZ	Vertical PDU/Cable bar, 2.2"W; button mount PDUs; replace 'xx' with cabinet RMU	All EZ
VCBDW-xxEZ	Vertical PDU/Cable bar, 4.4"W; button mount PDUs; replace 'xx' with cabinet RMU	All EZ
TCT-24	Top cable trough, 6.5"W x 4"D x 24"L	24"W EZ
TCT-30	Top cable trough, 6.5"W x 4"D x 30"L	30"W EZ
CM-01	½"W x 12"L Cinch strap with thru-hole for screw, Use along the rail	All EZ

SEAL

Cable Access
 Laser etched, 4" knockouts along the top of the frame for cable access

Half-Height Side Panels
 Locking panels are recessed and lightweight for easy installation and removal

Independently Seismic Tested
 Welded frame and mounting rails support 1500 lb. seismic weight capacity in Zone 4 geographic areas

Locking Handle w/ 3-pt Latch
 3-points maximize closure between the frame and cabinet; swap the handle with intelligent access control for increased security

Flexible Mounting Profile
 Along the front and rear face of mounting rails for zero-U accessory mounting

84"H x 30"W x 42"D frame shown

TESTED TO PROTECT AGAINST VIBRATIONS & SEISMIC ACTIVITY



NEMA 12 CABINETS



PROTECT DATA IN HARSH INDOOR ENVIRONMENTS

- NEMA 12 for indoor use; protect equipment from falling dirt, dust, lint, and dripping water
- 30"W cabinet features rails that can be set to 19 or 23" EIA
- Integrated cable management along the rail of 30"W cabinet: Flexible Mounting Profile (FMP) for zero-U accessory mounting, square hole pattern for "D" rings, "T" slots for cinch straps
- Front intake and rear exhaust gland plates on doors for optional fan/filter assemblies
- Internal baffle kit included with optional AC unit; facilitates airflow to and from AC
- Vertical lacing bar welded in each rear corner; keyhole pattern to button mount two PDUs
- Locking defeater handle (two-handed grip to unlock and open) and three-point latch
- Max static weight capacity 5000 lbs. (bolted to floor)
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard N12 cabinet
 EXAMPLE: GL840N12-3042-B-xx-xxxx-1032 (84"H x 30"W x 42"D, Black, airflow as configured, #10-32 mounting rails)

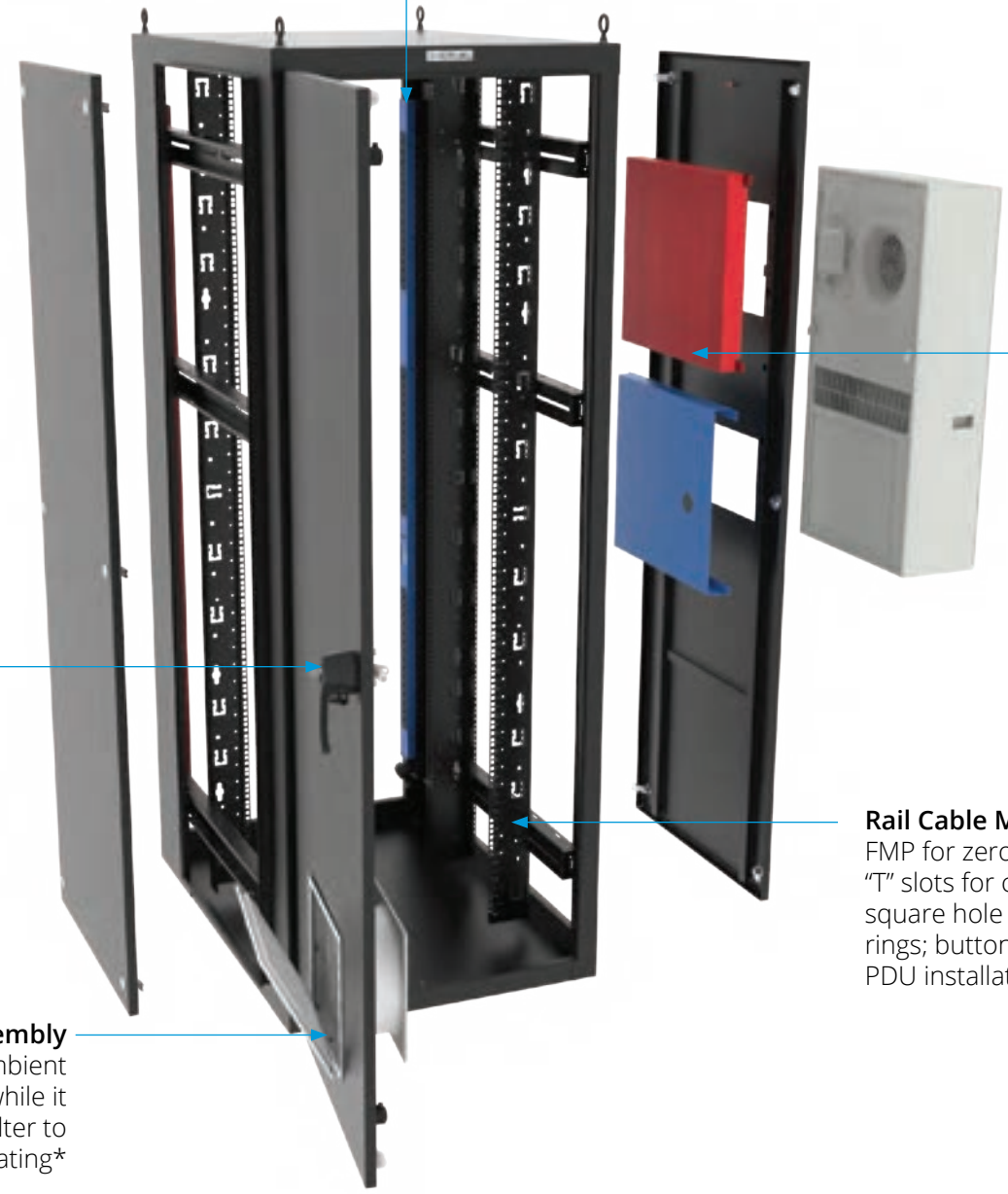
HEIGHT	WIDTH	DEPTH	COLOR	AIRFLOW	MOUNTING
GL840N12-	xx	42-	B	xx-xxx-	xxxx
84 (45U, 84")	24	42	B (Black)	Fan assembly/AC unit options listed on page 48	1032 (#10-32 tapped) SQM6 (3/8" sq. M6)
	30				

COMPLETE CABINET INCLUDES: Fully welded frame with 4 top lifting eye bolts; solid front and rear doors (with gland plates for fan/filter assembly); airflow option as configured; solid side panels (2) with locking cams; rails as configured with package of hardware; NEMA 250 Type 12; UL508A

POPULAR ACCESSORIES

PART NO.	DESCRIPTION	COMPATIBLE
VCB84N12	Vertical cable bar for front corner posts	All N12
ESC-K12	Cable management fingers, 4" x 7 RMU, set of 12, install along the FMP	30"W N12
CM-25	¼ Turn "D" rings, 1.5"x 3.5", Set of 10, install along the rail	30"W N12
SEAL-E1102	Electromechanical handle, IP65 rated, optional use with SEAL-E5000; door modification required	All N12
SEAL-E5000	RFID reader, IP65 rated, sse with SEAL-E1102 handle; door modification required	All N12

PDU Mounting
 Vertical lacing bar accepts button mounting of up to two PDUs ; one welded in each rear corner



Baffle Airflow
 Internal baffles direct conditioned air to the front of equipment and exhaust returns to the AC*

Handle with 3-Point Latch
 Front and rear doors with locking defeater handle (two-handed grip to unlock and open) and latch to maximize compression with the frame

Rail Cable Management
 FMP for zero-U accessories, "T" slots for cinch straps, and square hole pattern for "D" rings; button mount pattern for PDU installation

Fan Assembly
 Optional fan draws ambient air into the cabinet while it passes through a filter to maintain NEMA 12 rating*

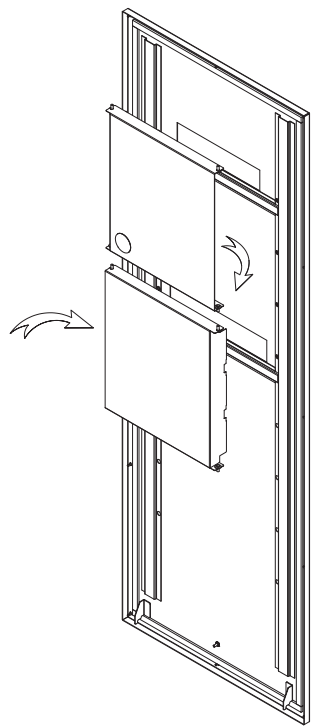
84"H x 30"W x 42"D frame shown; *fan assembly and exhaust filters cannot be used in conjunction with AC units

AIRFLOW OPTIONS MAINTAIN NEMA 12 RATING AND CABINET INTEGRITY

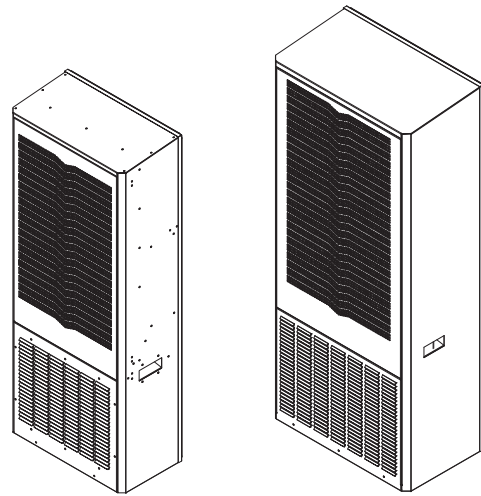
NEMA AIRFLOW

Part No.	Description	Compatible Cabinet
AC UNITS FOR NEMA 12 CABINET		
AC unit for vertical mounting; manufacturer's warranty applies		
AC041-115	4100 BTU, 115 VAC, 1200 watts	All N12
AC061-115	6100 BTU, 115 VAC, 1800 watts	All N12
AC061-230	6100 BTU, 230 VAC, 1200 watts	All N12
AC119-230	11900 BTU, 230 VAC, 3500 watts	All N12
AC171-230	17100 BTU, 230 VAC, 5000 watts	All N12

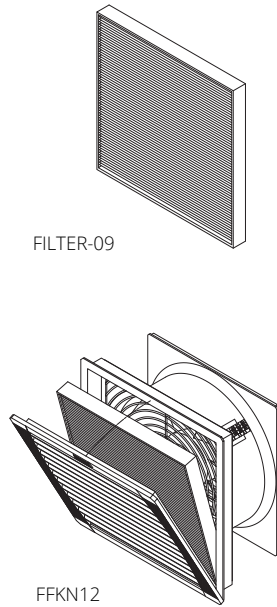
Part No.	Description	Compatible Cabinet
FAN ASSEMBLIES FOR NEMA 12 CABINET		
Fan assembly (includes filter) and exhaust filter, 115V		
FFKN12-A1	230 CFM, 52/54 dB(A)	All N12
FFKN12-A2	295 CFM, 63/64 dB(A)	All N12
FFKN12-A3	368 CFM, 66/69 dB(A)	All N12
FILTER-09	Pack of five filters	All N12



N12 Side panel with included baffles



AC Units for NEMA 12 Cabinet



FILTER-09

FFKN12

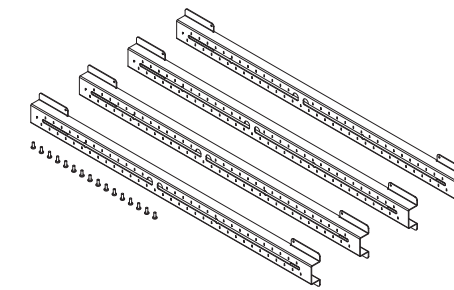
CABINET EXTRAS

Part No.	Description	Compatible Cabinet
19" MOUNTING RAILS		
9805-ES2P	3/8" sq. (M6) rails with FMP, pair	98"H ES
9805-ES1P	#10-32 rails with FMP, pair	98"H ES
9105-ES2P	3/8" sq. (M6) rails with FMP, pair	91"H ES
9105-ES1P	#10-32 rails with FMP, pair	91"H ES
8405-ES2P	3/8" sq. (M6) rails with FMP, pair	84"H ES & E
8405-ES1P	#10-32 rails with FMP, pair	84"H ES & E
8405-N1224	#10-32 rails, pair	24"W N12
8405-N1230	#10-32 rails with FMP, pair	30"W N12
7905-ES2P	3/8" sq. (M6) rails with FMP, pair	79"H ES
7905-ES1P	#10-32 rails with FMP, pair	79"H ES
7205-ES2P	3/8" sq. (M6) rails with FMP, pair	72"H E
7205-ES1P	#10-32 rails with FMP, pair	72"H E
6005-E29	3/8" sq. (M6) rails with FMP, pair	60"H E
4805-E2P	3/8" sq. (M6) rails with FMP, pair	48"H E
3005-E2P	3/8" sq. (M6) rails with FMP, pair	30"H E

Mounting Rails



E23K-XX



2319-F



Part No.	Description	Compatible Cabinet
23" & 19" MOUNTING CONVERSION		
ES23K-42	Kit to convert from 19" to 23" mounting	30"W ES
E23K-36	Kit to convert from 19" to 23" mounting	29"W x 36"D E
E23K-32	Kit to convert from 19" to 23" mounting	29"W x 32"D E
2319	Pair of recessed reducer brackets, 23" to 19", 8.625"H	23" EIA mounting
2319-F	Pair of flush reducer brackets, 23" to 19", 5.25"H	23" EIA mounting
2319F1.75	Pair of flush reducer brackets, 23" to 19", 1.75"H	23" EIA mounting

Part No.	Description
RACK MOUNT HARDWARE, PACKAGE OF 50	
HDW-104-50	Phillips #12-24 screws, 1/2", black
HDW-105-50	M6 Cage nuts with Phillips screws, 12mm, black
HDW-105-50L	M6 Cage nuts with Phillips screws, 20mm, zinc
HDW-107-50	#12-24 Cage nuts with Phillips screws, 1/2", black

CABINET EXTRAS

Part No.	Description	Compatible Cabinet
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GROUNDING

CBB-19	19"L Copper bus bar	Cabinet with 19" EIA; ideal for CL
CBB-30	25"L Copper bus bar	30"H E
CBB-48	43.5"L Copper bus bar	48"H ES & E
CBB-60	58"L Copper bus bar	60/72"H E
CBB-72	66"L Copper bus bar	All 79/84"H (excluding CL)
CBB-78	76"L Copper bus bar	All 91/98"H
GB1004	10"W x 2"H Telecom ground bar	N/A
GB2004	20"W x 4"H Telecom main ground bar	N/A
GL-ISO2442	Isolation plate, electrical grade fiberglass	24"W x 42"D ES
GL-ISO2448	Isolation plate, electrical grade fiberglass	24"W x 48"D ES
GL-ISO3042	Isolation plate, electrical grade fiberglass	30"W x 42"D ES
GL-ISO3048	Isolation plate, electrical grade fiberglass	30"W x 48"D ES

Part No.	Description	Compatible Cabinet
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GANGING KITS

G101ES	Internal hardware for ganging cabinet frames	All ES & EZ
G101	Internal hardware for ganging cabinet frames	All E & CL
G101L	External hardware for ganging cabinet frames	All L

Part No.	Description	Compatible Cabinet
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CASTERS, LEVELERS, AND ANCHORS

7208-ES	Set of 4 non-locking plate casters	All ES
7208-E	Set of stem casters, 2 locking, 2 non-locking	All E & CL
7208-EALL	Set of 4 stem casters, all locking	All E & CL
7209-HD	Set of 4 adjustable levelers, 2.5"H	All ES, E, & CL
7209-4HD	Set of 4 adjustable levelers, 4"H	All ES, E, & CL
AK101	Seismic anchor kit, four torque controlled expansion anchors	All ES, E, CL, EZ & N12

Part No.	Description	Compatible Cabinet
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DOOR HANDLES

CH-02D	Swing handle with 3-digit combination	All ES, E & CL
CH-03	Locking swing handle to accept hasp lock	All ES, E & CL
CH-04	Swing handle to accept hasp lock	All ES, E & CL
CH-06	Locking swing handle with 4-digit combination	All ES, E & CL
GL-KEYS	Set of 2 keys; identify key code at time of order	Ant cabinet with locking handles/side panels
SEAL Solutions	Multiple intelligent access options provide increased security to monitor and manage user access; see page 20 for options	All ES, E & CL

WALL MOUNTS

HANG TIME.

Customers sometimes ask how our wall mounts hold up. We like to say it's the ultimate in "hang time."

Just like our cabinets and racks, we build our wall mounts here in the USA. And as customer needs have changed, so have our wall mounts. They can fit neatly into small indoor spaces or be designed larger and deeper for use outdoors.

Need NEMA 4 or NEMA 12 protection? We have wall mounts for that. Want to get your data system closer to the edge? Our wall mounts can be part of the solution.

Plus, you can add great features like vertical cable bars, power strips and even intelligent access control. Hang on while **we rack your world.**

"We have wall mounts that fit nearly any application."

Jay VanCise - Engineer



WALL MOUNTS



▶ WALL MOUNT CHOICES



	PREMIUM			
	WMCM	WDX	WLP	NEMA 12K
Key Features	Integrated cable management features	Strong and secure	Unique features for zone cabling	Constructed for harsh indoor environments
Physical Security	SEAL Security Ready	SEAL Security Ready	SEAL Security Ready	Standard key lock
RMU	12, 19, 25	11, 18, 25	10 RMU along brackets	12, 19, 26
Height (in.)	24, 36, 48	24, 36, 48	24, 36, 48	24, 36, 48
Width (in.)	24	24	27	24
Depth (in.)	30.54	32	10	24, 30
Usable Depth (in.)	28	28	21, 33, 45	22, 28
Weight Capacity (lbs.)	200, 250, 300	250, 300, 350	105, 105, 150	150, 250, 300
Max Rail Space (in.)	23	21	N/A	17, 23
19" Mounting Rails	#12-24; 2 pairs, fully adjustable	3/8" sq. (M6); 2 pairs, fully adjustable	Adjustable #12-24 brackets for 19 or 23" EIA	#12-24; 2 pairs, fully adjustable
Front Door Options	Plexi, mesh, solid	Plexi, mesh, solid	Perforated	Solid
Reversible Mounting	Yes	Yes (Door only)	Yes	Yes (only fan configuration)
Conduit Knockouts	1, 2, 3" Nominal concentric	1, 2, 3" Nominal concentric	1, 2, 3" Nominal concentric; 1 and 2" nominal	2" Nominal
Cable Management Options	- Horizontal cable organizers - ¼ turn "D" rings for rails - Vertical cable bar	Horizontal cable organizers	- Horizontal cable organizers - Cable rings and fiber boxes	Horizontal cable organizers
Airflow Options	- 2 fan unit - Dust kit	- 2 fan unit - Dust kit	Single fan unit	- Filter/fan - AC unit
Color	Black, Winter White	Black	Black	Black
Standards	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II	UL508A, NEMA 250 Type 12K, RoHS II



	STANDARD			
	WM	SR	SRD	WMFP
Key Features	Standard wall mount features	Standard swing frame	Swing frame with more depth	Flat packed, fast assembly
Physical Security	Standard key lock	N/A	N/A	Standard key lock
RMU	12, 19, 25	12, 19, 26	12, 19, 26	6, 9
Height (in.)	24, 36, 48	24, 36, 48	24, 36, 48	13, 18
Width (in.)	21.25	20.75	20.75	22.62
Depth (in.)	24.5	18	24	17.12
Usable Depth (in.)	22	16	22	14.4
Weight Capacity (lbs.)	150, 250, 350	50	100	132
Max Rail Space (in.)	17.62	N/A	N/A	N/A
19" Mounting Rails	#12-24; 2 pairs, fully adjustable	#12-24; 1 pair, channel tapped front and rear	#10-32; 1 pair	3/8" sq. (M6) 1 pair, adjustable
Front Door Options	Plexi, mesh, solid	N/A	N/A	Mesh
Reversible Mounting	Yes	Yes	Yes	Yes (Door only)
Conduit Knockouts	1, 2, 3" Nominal concentric; horseshoe knockout	N/A	N/A	2" Nominal
Cable Management Options	Horizontal cable organizers	- Horizontal cable organizers - Obround pattern for cinch straps	- Horizontal cable organizers - Obround pattern for cinch straps	Horizontal cable organizers
Airflow Options	- 2 fan unit - Dust kit	N/A	N/A	Single fan unit
Color	Black	Black	Black	Black
Standards	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II	RoHS II



INTEGRATED CABLE MANAGEMENT FEATURES

- Two pairs of #12-24 tapped mounting rails (depth adjustable), 19" EIA
- Offset mounting rails create dedicated cable management space between the rail and side
- Horizontal/Vertical cable tie down pattern and mounting locations for "D" rings along the rail
- Nominal concentric conduit knockouts on top, bottom, and back of rear section
- 150mm x 25mm Standard door handle cutout
- Reversible mounting for left-hand or right-hand opening
- Weight Capacity: 24", 200 lbs.; 36", 250 lbs.; 48", 300 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard WMCM Wall Mount
EXAMPLE: GL24WMCM-P-B-SH-AF-CM (24"H x 24"W x 30.5"D, Plexi Door, Black, Swing Handle, Fan, Cable Bar)

HEIGHT	DOOR	COLOR	HANDLE	AIRFLOW	CABLE MANAGEMENT
GLxxWMCM	x-	x-	xx-	xx-	xx
24 (12U, 24")	P (Plexi)	B (Black)	SH (Swing Handle)	AF (Fan Included) ³	CM (Cable Bar Included)
36 (19U, 36")	M (Mesh)	W (White)	SC (SEAL Combo) ¹	00 (None)	00 (None)
48 (25U, 48")	S (Solid)		SE (SEAL Electronic) ²		

¹4-Digit Combination Handle; ²Electronic Handle - GL-SEAL-TL3RF; ³Two 75 CFM fan assembly

COMPLETE WALL MOUNT INCLUDES: WMCM Wall Mount, 28" Usable depth, 23" Max rail spacing; Includes two pairs of #12-24 tapped rails and rack mount hardware; Door, handle, airflow, and cable management (rear Vertical Cable Bar) as configured; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
CM-25	¼ Turn "D" rings, 1.5" x 3.5", set of 10, install along the rail or vertical cable bar
CM-01	½"W x 12"L Cinch strap with thru-hole for screw, use along the rail
DK3	Dust resistant kit, includes cover plates, fan filters, hardware
VCB-xxWMCM	Vertical cable bar, install in rear section; replace 'xx' with wall mount height (24, 36, 48); use with "D" rings
7219	6 Position power strip for 19" EIA, 5-15R, 5-15P, 15 amp (derated 12), 120V, circuit breaker, 15' cord, UL

Vertical Cable Bar
 Optional bar with keyhole pattern to button mount PDUs; shown with 3.5" x 5", ¼ turn "D" rings

Mounting Rail Pattern
 Cable tie down pattern and provisions for optional 1.5" x 3.5"; ¼ turn "D" rings

SEAL Handle
 Optional intelligent access control to monitor and manage entry



Shown with optional vertical cable bars, "D" rings, and cinch straps

Cinch Straps
 Provisions in multiple locations for optional straps

Dedicated Cable Space
 3.5" of open space between the rail and side for better cable management



STRONG AND SECURE

- Two pairs of 3/8" sq. (M6) mounting rails (depth adjustable), 19" EIA
- Front pair of rails is part of an inner frame that provides increased support for heavy equipment
- 150mm x 25mm Standard door handle cutout
- Reversible door for left-hand or right-hand opening
- Welded back panel and support "shelf" completely eliminates deflection
- Weight Capacity: 24", 250 lbs.; 36", 300 lbs.; 48", 350 lbs.

Using the attribute chart below, select an option from each column to designate a standard WDX Wall Mount
 EXAMPLE: GL24WDXP-B-SH-AF (24"H x 24"W x 32"D, Plexi Door, Black, Swing Handle, Fan)

HEIGHT	DOOR	COLOR	HANDLE	AIRFLOW
GLxxWDX	x-	B-	xx-	xx
24 (11U, 24")	P (Plexi)	B (Black)	SH (Swing Handle)	AF (Fan Included) ³
36 (18U, 36")	M (Mesh)		SC (SEAL Combo) ¹	00 (None)
48 (25U, 24")	S (Solid)		SE (SEAL Electronic) ²	

¹4-Digit Combination Handle; ²Electronic Handle - GL-SEAL-TL3RF; ³Two 75 CFM fan assembly

COMPLETE WALL MOUNT INCLUDES: WDX Wall Mount, 28" Usable depth, 21" Max rail spacing; Includes two pairs of 3/8" sq. (M6) rails and rack mount hardware; Door, handle, and airflow as configured; UL2416

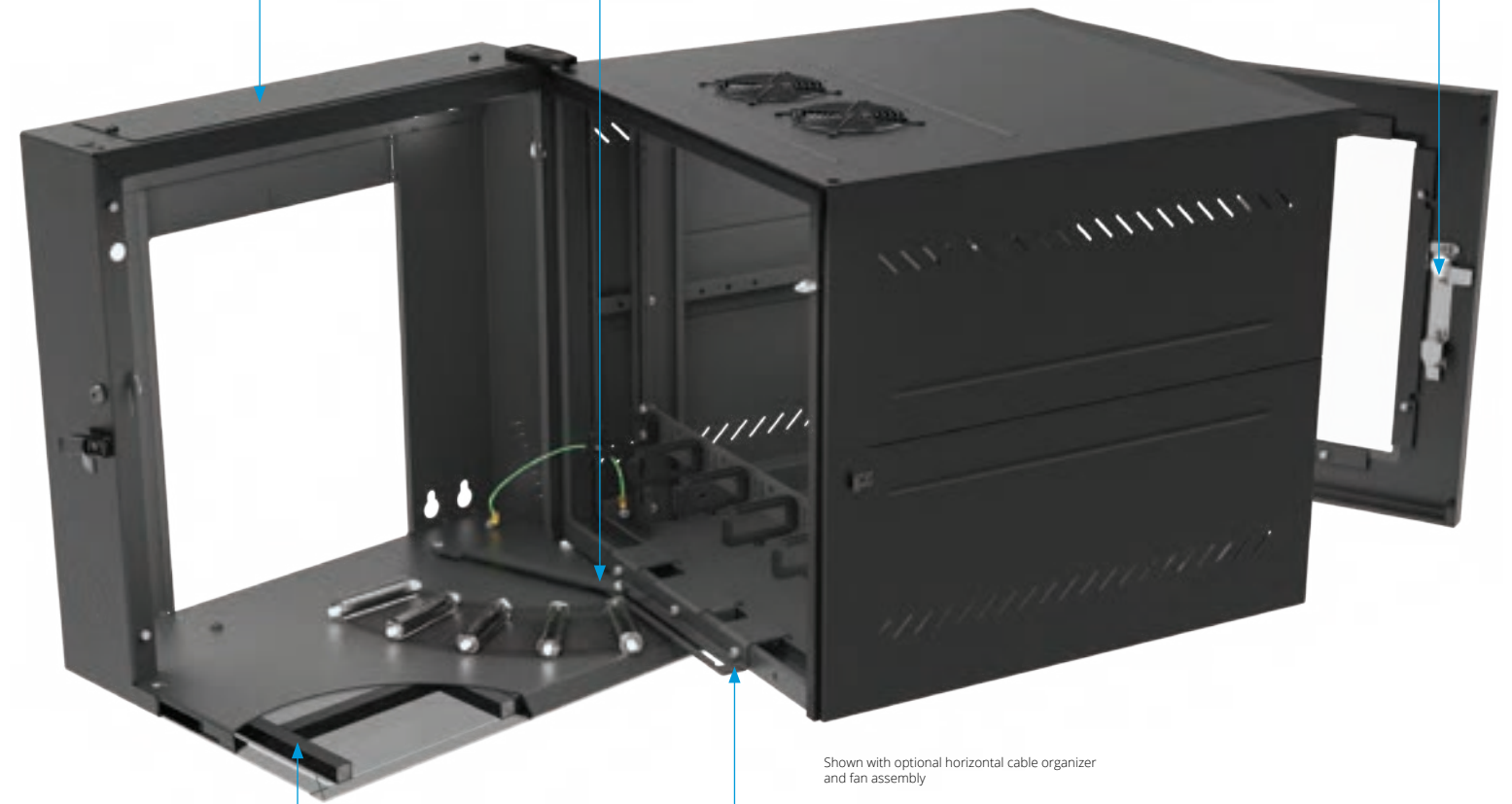
POPULAR ACCESSORIES

PART NO.	DESCRIPTION
CM-05	19" Horizontal cable organizer, includes 1.5" x 3.5" rings, 1 RMU
CM-27	19" Horizontal cable organizer, 4"D fingers, cover, 1 RMU
DK4	Dust resistant kit, includes cover plates, fan filters, hardware
CBB-19	Copper bus bar for 19" mounting, Isolated
7219	6 Position power strip for 19" EIA, 5-15R, 5-15P, 15 amp (derated 12), 120V, circuit breaker, 15' cord, UL

Gland Plate
Features concentric conduit knockouts

90° Stop Arm
Ensures wall mount remains supported

SEAL Handle
Optional intelligent access control to monitor and manage entry



Support Shelf
Welded shelf eliminates deflection

Center Support Roller
for easy rear access (pivot travel shown)

Shown with optional horizontal cable organizer and fan assembly



UNIQUE FEATURES FOR ZONE CABLING

- #12-24 tapped mounting brackets (19 or 23" mounting) that can be vertically adjusted
- Optional laser etched knockout on rear for cable access
- Multiple nominal concentric conduit knockouts on top, bottom, sides, and back
- 150mm x 25mm standard door handle cutout
- Reversible mounting for left-hand or right-hand opening
- Weight Capacity: 24 & 36", 105 lbs.; 48", 150 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard WLP Wall Mount
 EXAMPLE: GL24WLP-B-SH-AF (24"H x 27"W x 10"D, Plexi Door, Black, Swing Handle, Fan included)

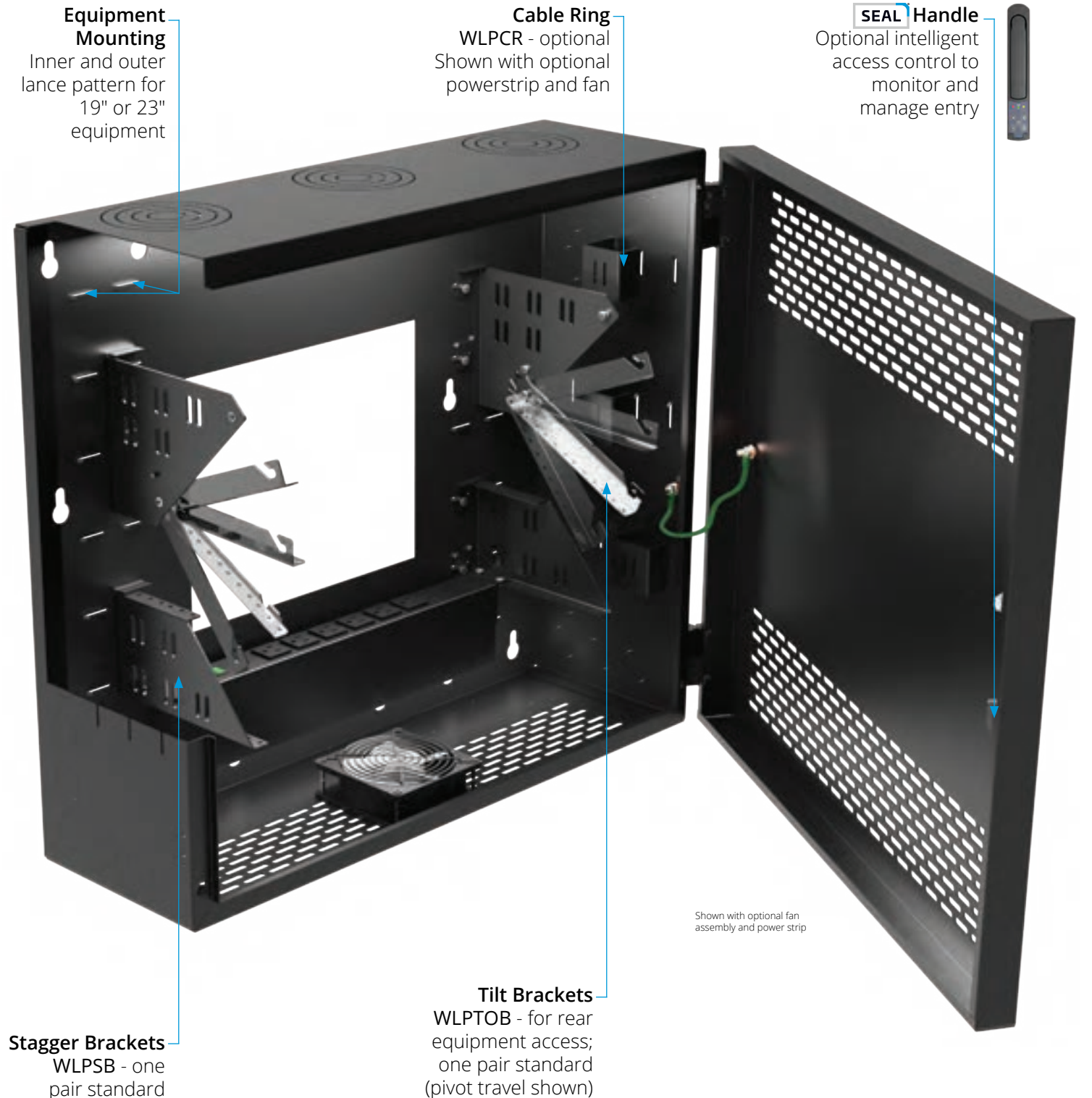
HEIGHT	COLOR	HANDLE	AIRFLOW
GLxxWLP-	B-	xx-	xx
24	B (Black)	SH (Swing Handle)	AF (Fan Included) ³
36		SC (SEAL Combo) ¹	00 (None)
48		SE (SEAL Electronic) ²	

¹4-Digit combination handle; ²Electronic handle GL-SEAL-TL3RF; ³One 75 CFM fan included; 36" and 48" can accept additional 7217-04 fan

COMPLETE WALL MOUNT INCLUDES: WLP Wall Mount with perforated door; handle and airflow as configured; Includes one pair of 4 RMU tilt brackets and one pair of 6 RMU stagger brackets, #12-24 rack mount hardware; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
WLPSB	Stagger bracket set, (top of bracket, 2 RMU; bottom of bracket, 4 RMU) (pictured)
WLPTOB	Tilt-out bracket set, 4 RMU, install along mounting profile lances (pictured)
WLPHMB	Hook mounted bracket Set, 1 RMU, install along mounting profile lances (pictured)
WLPCR	Cable management ring kit, includes 6 rings; install along mounting profile lances
WLPxHFB	Hook-mount fiber box; install along mounting profile lances; replace "x" in part no. with "L" or "R" (left or right hand use)



Equipment Mounting
 Inner and outer lance pattern for 19" or 23" equipment

Cable Ring
 WLPCR - optional
 Shown with optional powerstrip and fan

SEAL Handle
 Optional intelligent access control to monitor and manage entry

Stagger Brackets
 WLPSB - one pair standard

Tilt Brackets
 WLPTOB - for rear equipment access; one pair standard (pivot travel shown)

Shown with optional fan assembly and power strip

NEMA 12K



MADE FOR HARSH INDOOR ENVIRONMENTS

- Two pairs of #12-24 tapped mounting rails (depth adjustable), 19" EIA
- 2" conduit knockouts on rear section
- Reversible mounting for left-hand or right-hand opening (units with AC units cannot be reversed)
- Front and rear draw latches and "T" handle maximize compression
- Bulb gasket creates a positive environmental seal for indoor use to protect against ingress of solid foreign objects
- Weight Capacity: 24"H, 150 lbs.; 36", 250 lbs.; 48"H, 300 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard NEMA 12K Wall Mount
EXAMPLE: GL24N1230-B-AFFF (24"H x 24"W x 30"D, Black, Fan and filter)

HEIGHT	DEPTH	COLOR	AIRFLOW
GLxxN12-	xx-	B-	xxxx
24 (12U, 24")	24	B (Black)	AFOO (accepts optional fan/filter) ¹
36 (19U, 36")	30		ACOO (accepts optional ac unit) ¹
48 (26U, 48")			AFFF (Fan/filter) ²
			AC10 (1000 BTU AC) ³
			AC13 (1300 BTU AC) ³
			AC22 (2200 BTU AC) ⁴

¹Wall mount ships with gland plate for fan/filter or AC ²One NEMA 12, 28 CFM, 115V fan/filter; 36" and 48" wall mounts can accept two or three fan filters (respectively); ³1000 and 1300 BTU AC for use with 24" and 36"H only; ⁴2200 BTU AC for use with 48"H only

COMPLETE WALL MOUNT INCLUDES: NEMA 12K Wall Mount with solid door and keyed lock; Includes two pairs of #12-24 tapped rails and rack mount hardware; Airflow as configured; UL508A, NEMA 250 Type 12K

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
WMPK-CMD	Wall mount pole kit, indoor sse, Banding is not provided
CM-05	19" Horizontal cable organizer, includes 1.5" x 3.5" rings, 1 RMU
CBB-19	Copper bus bar for 19" mounting, Isolated
7219	6 Position power strip for 19" EIA, 5-15R, 5-15P, 15 amp (derated 12), 120V, circuit breaker, 15' cord, UL



Cable Access
2" Conduit knockouts

Bulb Gasket
Create positive environmental seal

"T" handle
Maximizes compression of front door

Draw Latches
Maximizes compression of center section

Shown with optional fan/filter and shelf

Airflow Options
Intake fan/filter kit or AC unit (wall mount specific)

▼
WM



STANDARD WALL MOUNT

- Two pairs of #12-24 tapped mounting rails (depth adjustable), 19" EIA
- Horseshoe knockout on rear section allow already terminated cable to be installed or removed without having to disconnect
- Optional dust kit to protect equipment in contaminated areas
- Independent keyed locks on front door and rear section
- Reversible mounting for left-hand or right-hand opening
- Weight Capacity: 24"H, 150 lbs.; 36"H, 250 lbs.; 48"H, 350 lbs.
- Standards: UL2416, RoHS II, Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard WM Wall Mount

EXAMPLE: GL24WMP-B-AF

(24"W x 21"W x 24"D, Plexi Door, Black, Fan included)

HEIGHT	DOOR	COLOR	AIRFLOW
GLxxWM	x-	B-	xx
24 (12U, 24")	P (Plexi)	B (Black)	AF (Fan Included) ¹
36 (19U, 36")	M (Mesh)		00 (None)
48 (25U, 48")	S (Solid)		

¹Two 75 CFM fan assembly

▼
WMFP



IDEAL FOR SMALL AV APPLICATIONS

- Fast and efficient assembly
- Flat-packed for onsite storage (WMFP ships unassembled)
- Open design for easy equipment installation and maintenance
- Reversible mesh door with locking cam
- Hinged side panels (which can only be opened from inside) swing open 90 degrees; removable
- Two cable access knockouts on top and bottom
- 6" x 4" (153mm x 102mm) cable access on the rear
- Weight Capacity: 132 lbs

PART NO.	DESCRIPTION
GL06WMFP-B-00	WMFP, 12.65"H x 22.6"W x 17.1"D, 6 RMU, Mesh door, Black
GL06WMFP-B-AF	WMFP, 12.65"H x 22.6"W x 17.1"D, 6 RMU, Mesh door, Black, Fan included
GL09WMFP-B-00	WMFP, 17.8" x 22.6"W x 17.1"D, 9 RMU, Mesh door, Black
GL09WMFP-B-AF	WMFP, 17.8"H x 22.6"W x 17.1"D, 9 RMU, Mesh door, Black, Fan included

▼
SR



STANDARD SWING FRAME

- 12-24 tapped mounting on front and rear of frame increases mounting space, 19" EIA
- Steel construction ensures durability
- Assemble for left- or right-hand opening
- Obround pattern for cable cinch straps
- Includes package of rack mount hardware
- Weight Capacity: 50 lbs.
- Standards: UL2416
- Country of Origin, USA

PART NO.	DESCRIPTION
GL24SR-B	24"H x 21"W x 18"D Swing Rack, 12 RMU, Black
GL36SR-B	36"H x 21"W x 18"D Swing Rack, 19 RMU, Black
GL48SR-R	48"H x 21"W x 18"D Swing Rack, 26 RMU, Black

▼
SRD



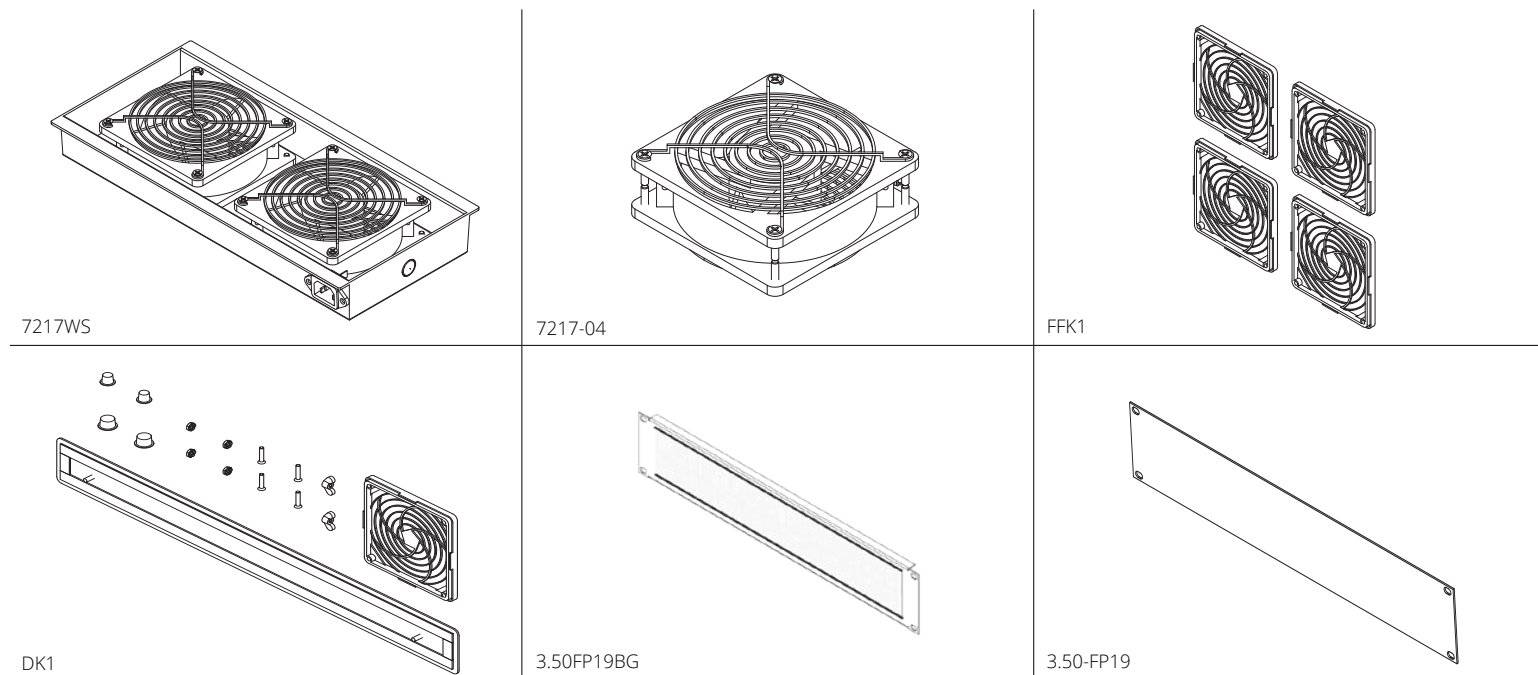
STANDARD SWING FRAME - MORE DEPTH

- #10-32 tapped mounting on front of frame, 19" EIA
- Steel construction ensures durability
- Assemble for left- or right-hand opening
- Obround pattern for cable cinch straps
- Includes package of rack mount hardware
- Weight Capacity: 100 lbs.
- Standards: UL2416
- Country of Origin, USA

PART NO.	DESCRIPTION
GL24SRD-B	24"H x 21"W x 24"D Swing Rack, 12 RMU, Black
GL36SRD-B	36"H x 21"W x 24"D Swing Rack, 19 RMU, Black
GL48SRD-R	48"H x 21"W x 24"D Swing Rack, 26 RMU, Black

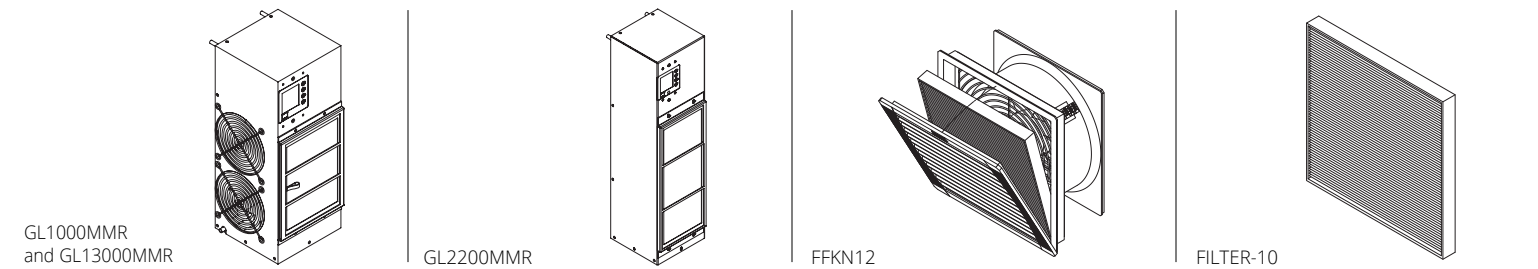
WALL MOUNT ACCESSORIES

Part No.	Description	WMCM	WDX	WLP	NEMA	WM	WMFP	SR	SRD
AIRFLOW									
7217WS	Fan assembly with two 75 CFM fans; C14 power input; includes 4' power cord (C13 to 5-15P)	X	X			X			
7217-04	Fan assembly with one 75 CFM fan; includes 6' power cord with 5-15P; ground wires & terminal connect to fan			X			X		
FTC103	Variable speed fan controller; includes temp. probe with 1' cord; 3' outlet cord (C13 to C14); use with 7217 fans	X	X	X		X	X		
FFK1	Four fan filters; use with 75 CFM fan	X	X	X		X			
DK2	Dust resistant kit, includes cover plates, fan filters and hardware					X			
DK3	Dust resistant kit, includes cover plates, fan filters and hardware	X							
DK4	Dust resistant kit, includes cover plates, fan filters and hardware		X						
3.50FP19BG	2 RMU filler panel with brush grommet	X	X	X	X	X	X	X	X
1.75-FP19	1 RMU metal filler panel	X	X	X	X	X	X	X	X
3.50-FP19	2 RMU metal filler panel	X	X	X	X	X	X	X	X

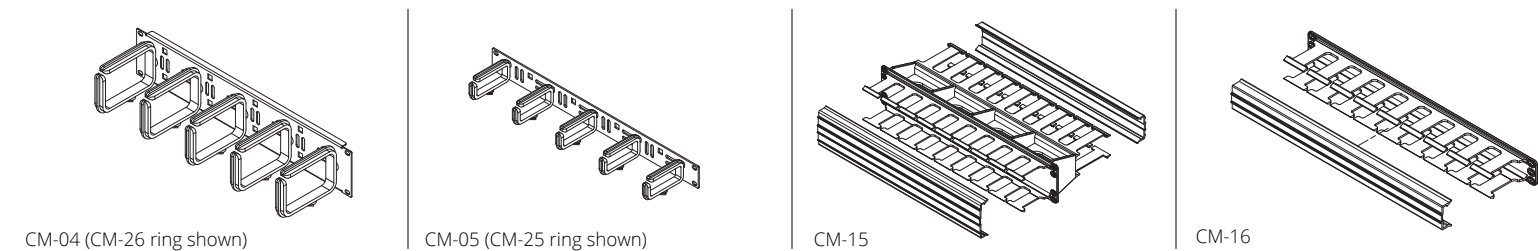


WALL MOUNT ACCESSORIES

Part No.	Description
NEMA 12K AIRFLOW	
GL1000MMR	1000 BTU AC Unit, 120V/60Hz, 3.1 amps, for use with GL240N12A and GL360N12A
GL1300MMR	1300 BTU AC Unit, 120V/60Hz, 3.1 amps, for use with GL240N12A and GL360N12A
GL2200MMR	2200 BTU AC Unit, 120V/60Hz, 3.1 amps, for use with GL480N12A
FFKN12-A4	Fan/filter assembly and exhaust filter, for use with GL240N12, GL360N12 and GL480N12
FILTER-10	Package of five replacement filters for FFKN12-A4, for use with GL240N12, GL360N12 and GL480N12

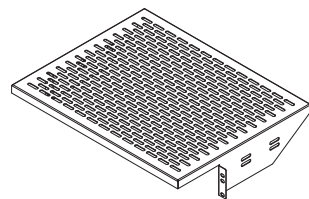


Part No.	Description	WMCM	WDX	WLP	NEMA	WM	WMFP	SR	SRD
CABLE MANAGEMENT									
CM-04	Horizontal cable organizer with five 3.5" x 5", ¼ turn "D" rings; 2 RMU	X	X	X	X	X	X	X	X
CM-05	Horizontal cable organizer with five 1.5" x 3.5", ¼ turn "D" rings; 1 RMU	X	X	X	X	X	X	X	X
CM-15	Double-sided, horizontal cable organizer with plastic fingers and cover, 2 RMU	X	X	X	X	X	X	X	X
CM-16	Single-sided, horizontal cable organizer with plastic fingers and cover, 1 RMU	X	X	X	X	X	X	X	X
CM-25	¼ turn "D" rings, 1.5" x 3.5", set of 10, use with WMCM rails and VCBS	X							
CM-26	¼ turn "D" rings, 3.5" x 5", set of 10, use with WMCM rails and VCBS	X							

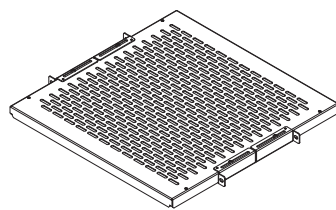


WALL MOUNT ACCESSORIES

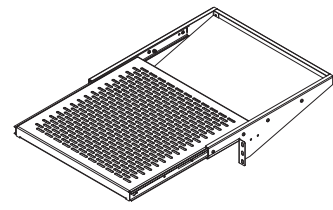
Part No.	Description	WMCM	WDX	WLP	NEMA	WM	WFMP	SR	SRD
SHELVES									
7206-14	Stationary shelf, 17.5"W 14"D, 80 lb. weight capacity; 2 RMU	X	X		X	X	X	X	X
7206-EIA	Stationary shelf, 17.468"W x 18"D, 80 lb. weight capacity; 2 RMU	X	X		X	X		X	X
7206-FR-A18	Stationary shelf (front/rear mount adj.), 17.5"W x 18"D, 150 lb. weight capacity; 1 RMU; max tab placement 21.5"	X	X		X	X			
7206-SL	Sliding shelf, 16.343"W x 17.5"D, 40 lb. weight capacity; 3 RMU	X	X		X	X		X	X
7206-FRSL-AHD	Sliding shelf (front/rear mount adj.), 17.5"W x 22"D, 110 lb. weight capacity; 2 RMU; max tab placement 26.125"	X	X						



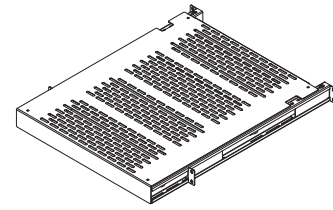
7206-14



7206-FR

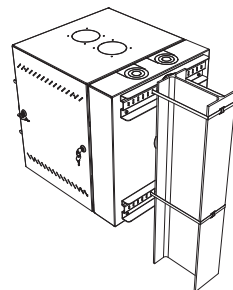


7206-SL

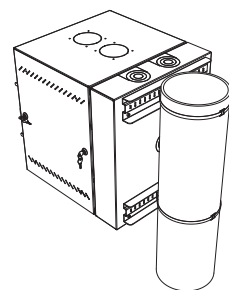


7206-FRSL-AHD

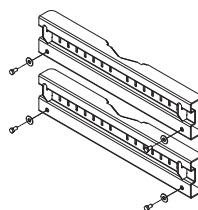
Part No.	Description	WMCM	WDX	WLP	NEMA	WM	WFMP	SR	SRD
MOUNTING KIT AND HARDWARE									
WMPK-CMD	Wall mount pole kit for use with indoor poles; banding is not provided	X		X	X	X		X	X
HDW-102-50	Phillips #10-32 screws, 1/2", black, package of 50								X
HDW-104-50	Phillips #12-24 screws, 1/2", black, package of 50		X						
HDW-107-50	#12-24 Cage nuts with Phillips screws, 1/2", black, package of 50				X	X	X	X	X



Wall Mount Pole Kit



66



RACKS

WE ARE THE RACK STARS.

Go ahead and look. Try to find a better rack system.

One that offers a turn-key solution: industry-leading cable management features, all the parts you need in one place, and out our door in 24 to 48 hours.

How do we do it? Well, we manufacture ourselves—right here in the USA. That ensures that getting the rack you need is always fast, flexible and easy.

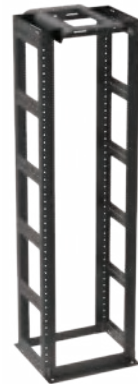
From our premium VRX, CMR and CMRX systems to standard two and four post racks, it's pretty evident, **we rack your world.**

"Our rack systems deliver unmatched end-to-end solutions."

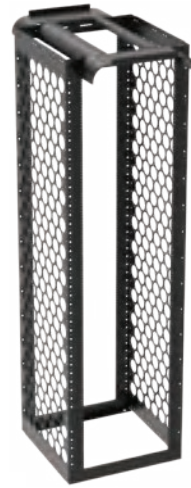
Eric Trosch - Regional Sales Manager



RACK CHOICES



	PREMIUM			STANDARD		METAL VERTICAL CABLE MANAGERS	
	CMRX	CMR	VRX	4P	2P	VCM	
Key Features	Exceptional cable management support in a single rack	Open channel design for easy cable installation and routing	Adjustable and adaptable for universal deployment	Effortless rack for server applications	Effortless rack for network applications	Key Features	Fully assembled and ready to accompany any rack
RMU/Height (in.)	59 RMU / 108"H 52 RMU / 96"H 45 RMU / 84"H	59 RMU / 108"H 52 RMU / 96"H 45 RMU / 84"H	59 RMU / 108"H 52 RMU / 96"H 45 RMU / 84"H	59 RMU / 108"H 52 RMU / 96"H 45 RMU / 84"H	59 RMU / 108"H 52 RMU / 96"H 45 RMU / 84"H	Height	59 RMU / 108"H 52 RMU / 96"H 45 RMU / 84"H
Width at 19" EIA (in.)	24	24	24	20	20	Width	6, 8, 10, 12
Width at 23" EIA (in.)	28	28	28	24.3	24.3	Footprint Depth, Front/Rear Config.	24
Channel Depth or Max. Placement (in.)	10.5, 16.25, 24, 30, 36	6, 10.5, 12, 16.25	24-36	24, 29, 32, 36	3	Footprint Depth, Front Only Config.	12
Weight Capacity (lbs.)	2500	2500	2500	1500	1500	Airflow Options	Use in conjunction with airflow baffles
Flexible Mounting Profile	Integrated feature	Integrated feature	Integrated feature	N/A	N/A	Construction	- Metal channel - Plastic fingers - Metal dual hinged front door (second door is optional in FR)
Mounting Rails	- 19 and 23" mounting in a single platform - #12-24 or 3/8" sq. (M6) - RMU markings - Square hole pattern to accept "D" rings	- 19 and 23" mounting in a single platform - #12-24 or 3/8" sq. (M6) - RMU markings - Square hole pattern to accept "D" rings	- 19 and 23" mounting in a single platform - #12-24 or 3/8" sq. (M6) - RMU markings - Square hole pattern to accept "D" rings - Accepts optional mid-rail kit	- 19" mounting - #12-24 or 3/8" sq. (M6) - RMU markings	- 19" mounting - #12-24 - RMU markings	Cable Management Features	- Repositionable cable slack spools included (not included with 6" channel) - Obround pattern for cinch straps - Large openings for cable routing
Cable Management Options	- Circle web serves as lacing points - ¼ "D" rings front, side, and rear of channel - Top waterfall brackets - Finger rail kits - Vertical cable managers - Horizontal cable organizers, 19"	- ¼ "D" rings on front and rear of channel - Top waterfall brackets - Finger rail kits - Vertical cable managers - Horizontal cable organizers, 19"	- ¼ "D" rings on front and rear of channel - Top waterfall brackets - Finger rail kits - Vertical cable managers - Horizontal cable organizers, 19"	- Vertical cable managers - Horizontal cable organizers, 19"	- Vertical cable managers - Horizontal cable organizers, 19"	Power Options	Button mount pattern along channel for PDUs
Airflow Options	Use with full-height baffles	Use with full-height baffles	Use with full-height baffles	N/A	N/A	Color	Black, Winter White
Power Options	Optional PDU bracket and bar to button mount PDUs	Optional PDU bracket and bar to button mount PDUs	Optional PDU bracket and bar to button mount PDUs	Optional PSBGLRR bracket for Great Lakes vertical power strips	Optional PSBGLRR bracket for Great Lakes vertical power strips	Rack Compatibility	All Great Lakes racks
Color	Black, Winter White	Black, Winter White	Black, Winter White	Black	Black		
Standards	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II	UL2416, RoHS II		



EXCEPTIONAL CABLE MANAGEMENT SUPPORT IN A SINGLE RACK

- 19 or 23" EIA mounting with a single rack—no additional hardware needed
- Square hole pattern along face of rails and sides to mount included ¼ turn "D" rings
- Flexible Mounting Profile, FMP, holes along the rail for zero-U accessory mounting
- Circle pattern with staggered centers provide unlimited cable attachment points for cable bundles
- Four top waterfall brackets with 3" bend radius; two fixed, two adjustable
- Cable runway or basket tray can rest directly on top of rack (or use optional brackets)
- Weight capacity: 2500 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard CMRX Rack

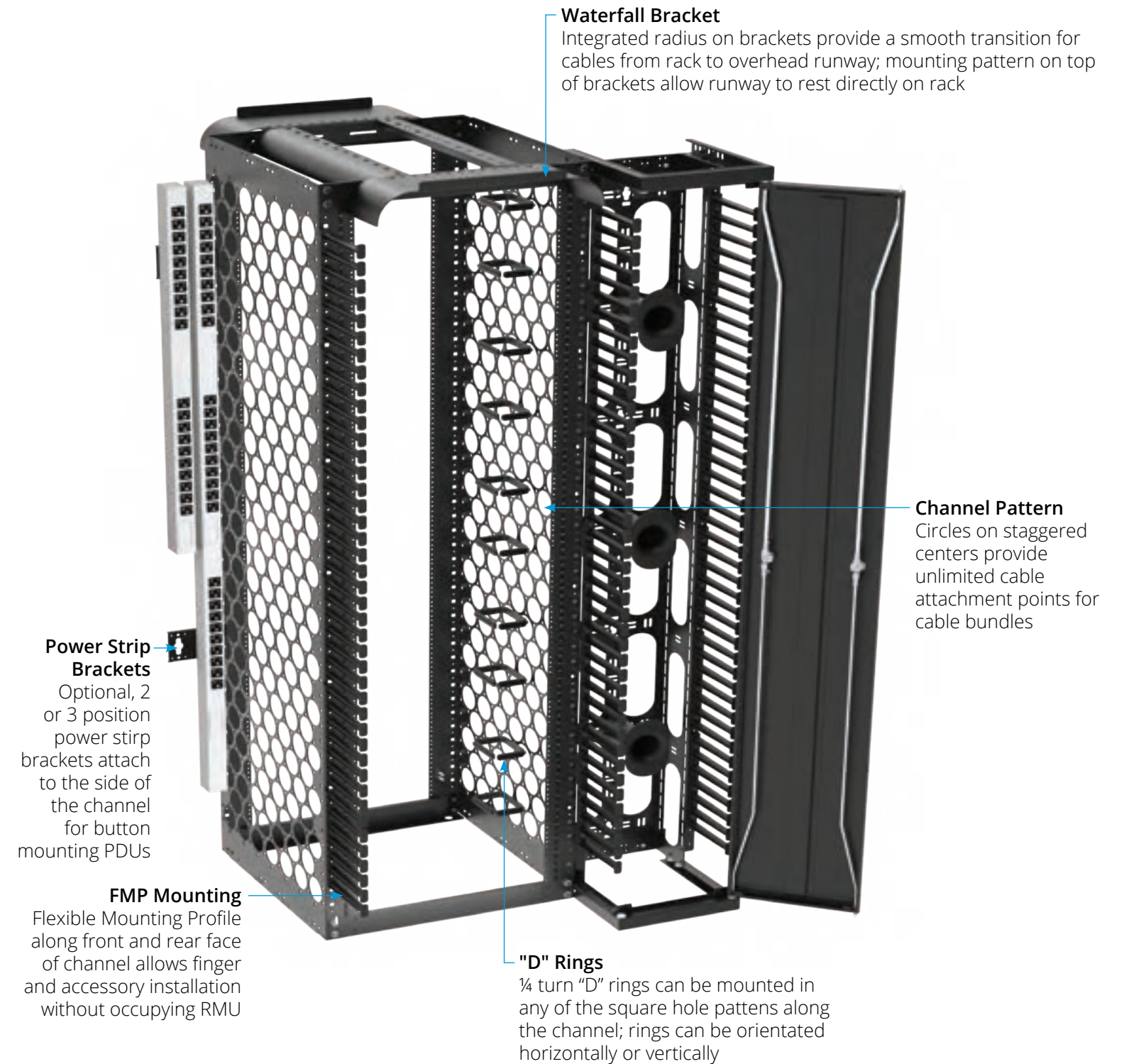
EXAMPLE: CMRX-45U24-B-1224 (45U, 84"H x 24"D, Black, #12-24 Mounting)

HEIGHT	DEPTH	COLOR	MOUNTING
CMRX-xxU	xx-	x-	xxxx
45 (45U, 84")	10 (10.5")	B (Black)	1224 (#12-24 tapped)
52 (52U, 96.25")	16 (16.25")	W (White)	SQM6 (3/8" sq. M6)
59 (59U, 108.5")	24 (24")		
	30 (30")		
	36 (36")		

COMPLETE RACK INCLUDES: CMRX Rack, 24"W at 19" EIA, or 28"W at 23" EIA, Mounting and color as configured; includes 1/4 turn "D" rings (3.5" x 5"), qty. 20; four top waterfall brackets and package of rack mount hardware; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
ESC-K12	Cable management fingers, 4" x 7 RMU, set of 12, install along the FMP
CM-04	19" Horizontal cable organizer, includes 3.5" x 5" rings, 2 RMU
LRBV4-8	Waterfall ladder rack brackets, 3" radius, supports up to 24"W rack
PDU2ER	Pair of PDU bracket with 2 mounting positions
GL-CR1210	10'L x 12"W Cable runway, steel, black





OPEN CHANNEL RACK DESIGN FOR EASY CABLE INSTALLATION & ROUTING

- 19 or 23" EIA mounting with a single rack—no additional hardware needed
- Square hole pattern along face of rails and sides to mount included ¼ turn "D" rings
- Flexible Mounting Profile, FMP, holes along the rail for zero-U accessory mounting
- Four top waterfall brackets with 3" bend radius; two fixed, two adjustable
- Cable runway or basket tray can rest directly on top of rack—no additional parts needed
- Weight capacity: 2500 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard CMR Rack

EXAMPLE: CMR-45U24-B-1224 (45U, 84"H x 24"D, Black, #12-24 Mounting)

HEIGHT	DEPTH	COLOR	MOUNTING
CMR-xxU	xx-	x-	xxxx
45 (45U, 84")	06 (6")	B (Black)	1224 (#12-24 tapped)
52 (52U, 96.25")	10 (10.5")	W (White)	SQM6 (3/8" sq. M6)
59 (59U, 108.5")	12 (12")		
	16 (16.25")		

COMPLETE RACK INCLUDES: CMR Rack, 24"W at 19" EIA, or 28"W at 23" EIA, Mounting and color as configured; includes 1/4 turn "D" rings (3.5" x 5"), qty. 20; four top waterfall brackets and package of rack mount hardware; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
ESC-K12	Cable management fingers, 4" x 7 RMU, Set of 12, Install along the FMP
CM-04	19" Horizontal cable organizer, includes 3.5" x 5" rings, 2 RMU
LRBV4-8	Waterfall ladder rack bracket, 3" radius, supports up to 24"W rack
PDU2ER	Pair of PDU brackets with 2 mounting positions
GL-CR1210	10'L x 12"W Cable runway, steel, black

"D" Ring Mounting

¼ turn "D" rings can be mounted in any of the square hole patterns along the channel; rings can be orientated horizontally or vertically

Waterfall Brackets

Integrated radius on brackets provide a smooth transition for cables from rack to overhead runway; mounting pattern on top of brackets allow runway to rest directly on top of rack

Channel Openings

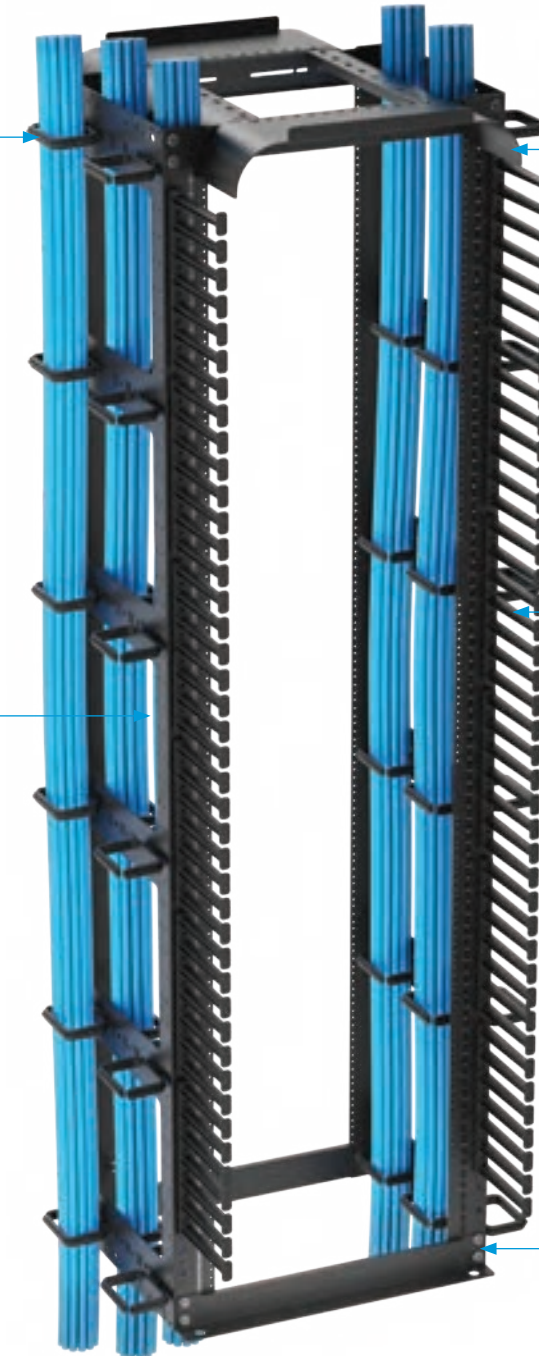
Large openings provide space for cable maintenance/installation and easy cable pass-thru for routing cable inside or outside of the channel

FMP Mounting

Flexible Mounting Profile along front and rear face of channel allows finger (optional) and accessory installation without occupying RMU

Assembly and Mounting

Self-squaring assembly with options for 19 or 23" EIA mounting (no additional hardware required!)





ADJUSTABLE AND ADAPTABLE FOR UNIVERSAL DEPLOYMENT

- 19 or 23" EIA mounting with a single rack—no additional hardware needed
- Side rails provide variable depth in 1" increments, 24-36"D
- Square hole pattern along face of rails and sides to mount included ¼ turn "D" rings
- Flexible Mounting Profile, FMP, holes along the rail for zero-U accessory mounting
- Cable runway or basket tray can rest directly on top of rack—no additional parts needed!
- Weight capacity: 2500 lbs.
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard VRX Rack
EXAMPLE: VRX-45U2436-B-1224 (45U, 84"H x 24-36"D, Black, #12-24 Mounting)

HEIGHT	COLOR	MOUNTING
VRX-xxU2436-	x-	xxxx
45 (45U, 84"H)	B (Black)	1224 (#12-24 tapped)
52 (52U, 96.25"H)	W (White)	SQM6 (3/8" sq. M6)
59 (59U, 108.5"H)		

COMPLETE RACK INCLUDES: VRX Rack, 24"W at 19" EIA, or 28"W at 23" EIA, Mounting and color as configured; includes 1/4 turn "D" rings (3.5" x 5"), qty. 20; package of rack mount hardware; UL2416

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
ESC-K12	Cable management fingers, 4" x 7 RMU, set of 12, install along the FMP
CM-04	19" Horizontal cable organizer, includes 3.5" x 5" rings, 2 RMU
LRBV4-8	Waterfall ladder rack bracket, 3" radius, supports up to 24"W rack
PDU2ER	Pair of PDU brackets with 2 mounting positions
GL-CR1210	10'L x 12"W Cable runway, steel, black

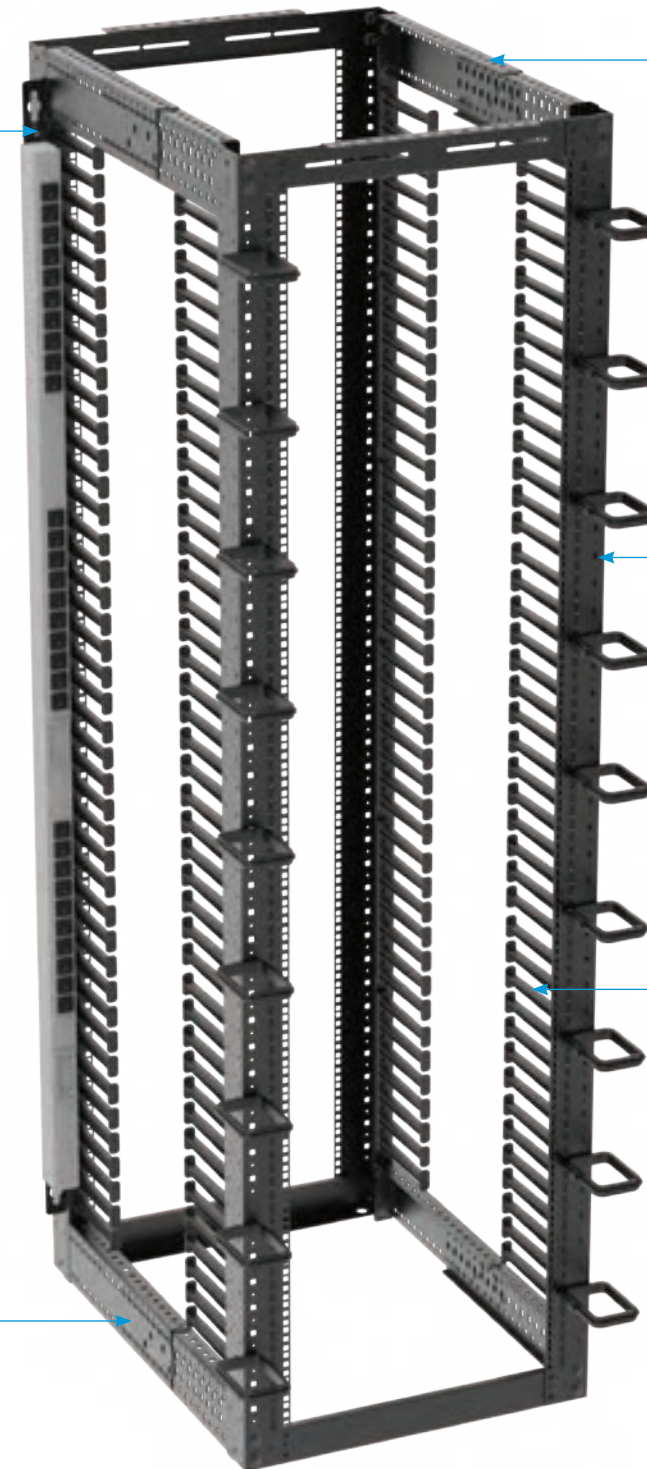
PDU/Cable Management Bar
 The VPCB1 mounts to the side of the channel in a PDU (to button mount a single PDU) or cable management orientation (to provide additional mounting points for fingers and "D" rings)

Overhead Mounting
 Mounting pattern on top of rack allows runway to rest directly on rack or accepts ladder rack brackets

"D" Ring Mounting
 ¼ turn "D" rings (optional) can be mounted in any of the square hole patterns along the channel; rings can be orientated horizontally or vertically

FMP Mounting
 Flexible Mounting Profile along front and rear face of channel allows finger (optional) and accessory installation without occupying RMU

Variable Depth
 Side rails provide variable depth in 1" increments



4 POST RACK



EFFORTLESS RACK FOR SERVER APPLICATIONS

- Upright channels (with RMU markings) for 19" mounting
- Assemble with toe-in or toe-out footprint
- Rail Rating: 1500 lbs.
- Compatible with Great Lakes VCM and VCMP vertical cable managers
- Standards: UL2416, RoHS II
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard rack
EXAMPLE: 4P-45U29-B-SQM6
 (45U, 84"H x 29"D, Black, M6 mounting)

HEIGHT	DEPTH	COLOR	MOUNTING
4P-xxU	xx-	x-	xxxx
45 (45U, 84"H)	24	B (Black)	1224 (#12-24 tapped)
52 (52U, 96.25"H)	29		SQM6 (3/8" sq. M6) ¹
59 (59U, 108.5"H)	32		
	36		
	42		

¹ SQM6 available with 45U racks only

2 POST RACK



EFFORTLESS RACK FOR NETWORK APPLICATIONS

- #12-24 tapped channels with RMU markings
- Color: Black (anodized finish), silver (mill finish)
- Rail Rating: 1500 lbs.
- Compatible with Great Lakes VCM and VCMP vertical cable managers
- Standards: UL2416, RoHS II

Using the attribute chart below, select an option from each column to designate a standard rack
EXAMPLE: GLRR-19084-BA
 (19" EIA, 84"H, Black anodized finish)

MOUNTING	HEIGHT	COLOR
GLRR-19	xxx-	BA
19 (19" EIA)	084 (84"H, 45U)	BA (Black anodized)
	096 (96"H, 52U)	
	108 (108"H 59U)	

VCM



FULLY ASSEMBLED AND READY TO ACCOMPANY ANY RACK

- Self-supporting VCM rests on the floor for improved stability and easy installation
- Metal channel with plastic fingers, 12"D
- Metal dual hinged doors for left-hand or right-hand opening
- Obround pattern along channel for cinch straps
- Keyhole pattern in locations along channel for button mounting PDUs
- Repositionable cable slack spools included with 10 and 12" configurations
- Mounting holes allow VCM to mount flush with racks or at a varied depth
- Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard VCM Rack
EXAMPLE: VCM-45U-1012FO-B (45U x 10"W x 12"D, Front only channel, black)

HEIGHT	WIDTH	Depth	Channel Config.	Color
VCM-xxU-	xx	12	xx-	x
45 (45U, 84"H)	06 (6")	12 (only)	FO (Front only)	B (Black)
52 (52U, 96.25"H)	08 (8")		FR (Front & rear)	W (White)
59 (59U, 108.5"H)	10 (10")			
	12 (12")			

COMPATIBLE RACKS



CMRX



CMR



VRX



4 Post Rack



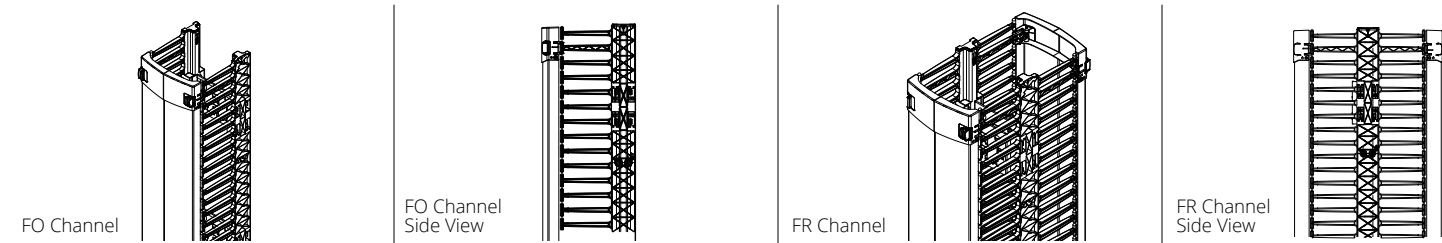
2 Post Rack

RACK ACCESSORIES

Part No.	Description	CMRX	CMR	VRX	4 POST	2 POST
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VERTICAL CABLE MANAGERS

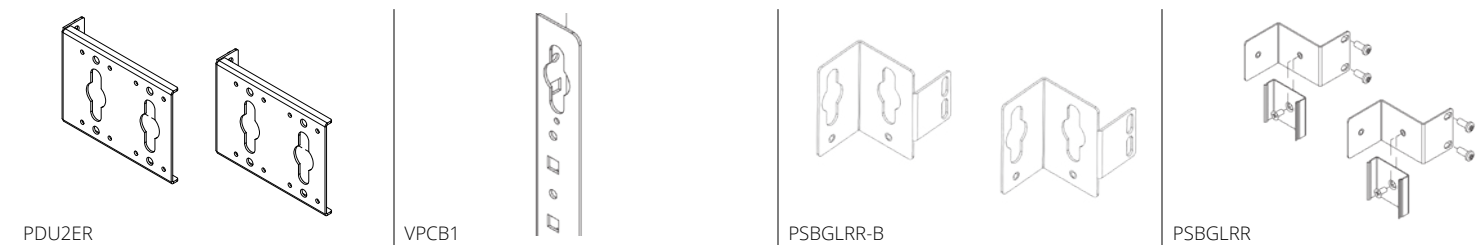
VCMP-45U-0606FO	84"H x 6"W x 8.6"D, Front only channel, black, plastic channel w/ metal support plate, dual-hinged door			X	X	X
VCMP-45U-0606FR	84"H x 6"W x 19.53"D (overall), Front & rear channel, black, plastic channel w/ metal support plate, dual-hinged door			X	X	X
VCMP-45U-1006FO	84"H x 10"W x 8.6"D, Front only channel, black, plastic channel w/ metal support plate, dual-hinged door			X	X	X
VCMP-45U-1006FR	84"H x 10"W x 19.53"D (overall), Front & rear channel, black, plastic channel w/ metal support plate, dual-hinged door			X	X	X
VCMP-45U-1206FO	84"H x 12"W x 8.6"D, Front only channel, black, plastic channel w/ metal support plate, dual-hinged door			X	X	X
VCMP-45U-1206FR	84"H x 12"W x 19.53"D (overall), Front & rear channel, black, plastic channel w/ metal support plate, dual-hinged door			X	X	X



Part No.	Description	CMRX	CMR	VRX	4 POST	2 POST
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POWER STRIP BRACKETS

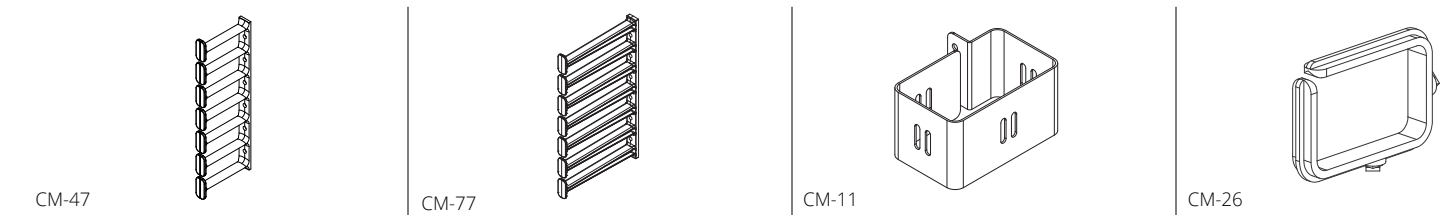
PDU3ER	One pair of brackets to button mount 3 PDUs, install along the FMP of rack uprights	X	X	X		
PDU2ER	One pair of brackets to button mount 2 PDUs, install along the FMP of rack uprights	X	X	X		
VPCB1	Single vertical cable bar with keyhole mounting for PDUs; add optional 1/4 turn "D" rings, install along the FMP of rack uprights	X	X	X		
PSBGLRR-B	One pair of brackets to button mount one PDU				X	X
PSBGLRR	One pair of brackets, mounts one vertical basic power strip (e.g. 7219)				X	X



Part No.	Description	CMRX	CMR	VRX	4 POST	2 POST
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CABLE MANAGEMENT

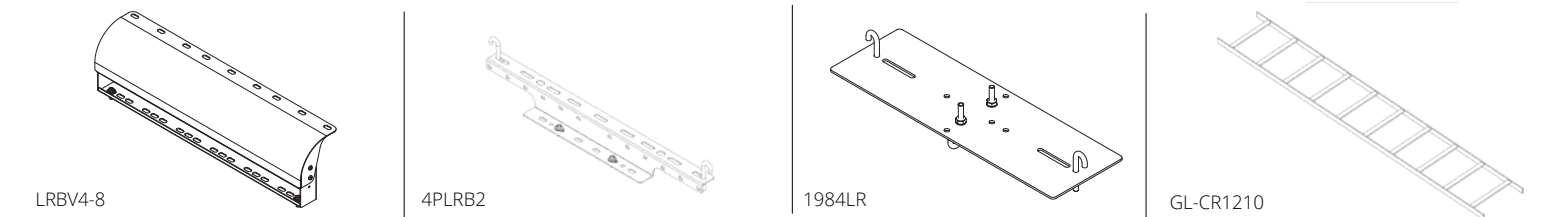
CM-47	4" x 7 RMU, single finger section, install along the FMP of rack uprights	X	X	X		
ESC-K12	4" x 7 RMU, set of 12 finger sections, install along the FMP of rack uprights	X	X	X		
CM-77	7" x 7 RMU, single finger section, install along the FMP of rack uprights	X	X	X		
ESC-K12-7	7" x 7 RMU, set of 12 finger sections, install along the FMP of rack uprights	X	X	X		
CM-11	3"W x 5"D, set of five rings, install along the FMP of rack uprights	X	X	X		
CM-25	1/4 Turn "D" rings, 1.5" x 3.5", plastic, set of 10, install in square hole pattern along rack uprights	X	X	X		
CM-26	1/4 Turn "D" rings, 3.5" x 5", plastic, set of 10, install in square hole pattern along rack uprights	X	X	X		
VPCB1	Single vertical cable bar with keyhole mounting for PDUs; add optional 1/4 turn "D" rings, install along the FMP of rack uprights	X	X	X		
CM-01	1/2"W x 12"L, single cinch strap with thru-hole for screw, black	X	X	X	X	X



Part No.	Description	CMRX	CMR	VRX	4 POST	2 POST
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OVERHEAD SUPPORT & LADDER RACK

LRBV4-8	Bracket with 3" waterfall bend radius; configure LRB to 4, 6, and 8" height; supports 12-24"W ladder	X	X	X		
4PLRB2	Bracket, 2"H, Support up to 24"W cable runway and basket tray	X	X	X		
1984LR	Flat bracket, mounts perpendicular or parallel; supports 12-18"W ladder (required if installing runway on 2 & 4 Post Rack)				X	X
GL-CR1210	10'L x 12"W Cable runway, steel, black	X	X	X	X	X

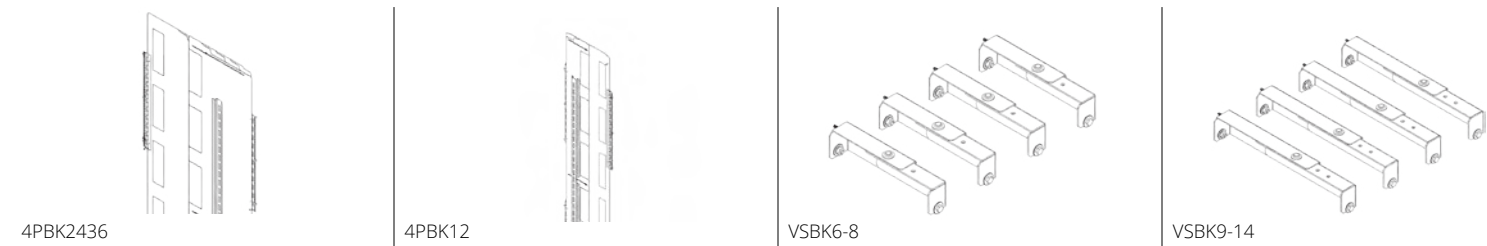


RACK ACCESSORIES

Part No.	Description	CMRX	CMR	VRX	4 POST	2 POST
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BAFFLE KITS & SPACER BRACKETS

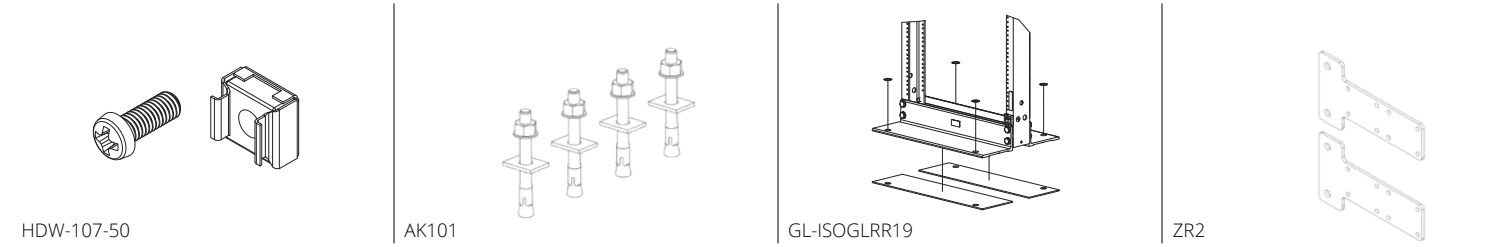
4PBK2436	Full height baffles direct cool air in and exhaust air away when used with side-to-side airflow equipment, Adjustable 24-36"	X	X	X		
4PBK1624	Full height baffles direct cool air in and exhaust air away when used with side-to-side airflow equipment, Adjustable 16-24"	X	X	X		
4PBK12	Full height baffles direct cool air in and exhaust air away when used with side-to-side airflow equipment, Fixed 12"	X	X	X		
VSBK6-8	Variable spacer ganging kit for racks, facilitate proper spacing between racks so baffle kits can be added, adjusts 6-8"	X	X	X		
VSBK9-14	Variable spacer ganging kit for racks, facilitate proper spacing between racks so baffle kits can be added, adjusts 9-14"	X	X	X		



Part No.	Description	CMRX	CMR	VRX	4 POST	2 POST
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HARDWARE & ADDITIONAL ITEMS

HDW-104-50	#12-24 x 1/2" screws, type 23, black, package of 50 (compatible racks can be configured with #12-24 or M6 uprights)	X	X	X	X	X
HDW-107-50	Cage nuts with #12-24 x 1/2" screws, type 23, package of 50 (compatible racks can be configured with #12-24 or M6 uprights)	X	X	X	X	
AK101	Seismic anchor kit, includes four torque controlled anchors to bolt rack to floor	X	X	X	X	X
GL-ISOGLRR19	Electrical grade fiberglass isolation kit, includes 2 plates					X
ZR1	Zero-U mounting brackets, vertically mount 1 RMU of equipment, install along the FMP of racks	X	X	X		
ZR2	Zero-U mounting brackets, vertically mount 2 RMU of equipment, install along the FMP of racks	X	X	X		



CABLE RUNWAY

OVERHEAD AND OUT OF SIGHT.

Our customers love our open frame racks. But when you're wrestling with a bunch of data cables, there's more to the "story". That's why we offer a complete line of cable runway products.

With one call, you can get your rack, runway and all the support hardware you need. From elevation kits and triangular support brackets to radius drops and splice kits. We make it easy to get your cables up overhead and out of sight.

Feeling the love, now? Yeah, that's how **we rack your world.**

"Our cable runway products give you one-stop shopping for your rack, runway and support hardware."

Shane Darnell - Regional Sales Manager



CABLE RUNWAY

Part No. Description

CABLE RUNWAY 10' SECTION

Constructed of rectangular steel tubing; 130 lb/ft max. load with runway supported every five feet; meets ANSI/TIA/EIA guidelines; black

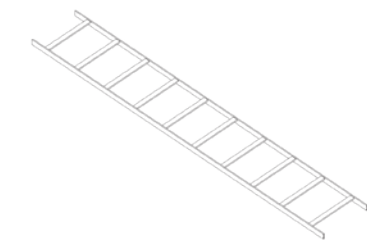
GL-CR610	6"W Cable runway, 10' section
GL-CR1210	12"W Cable runway, 10' section
GL-CR1810	18"W Cable runway, 10' section
GL-CR2410	24"W Cable runway, 10' section
GL-CR-EC	Pair of cable runway end caps; black plastic

Part No. Description

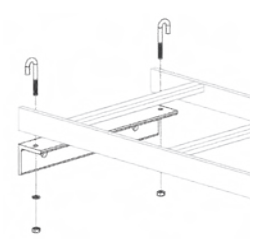
TERMINATION KITS

Angle bracket to attach runway to the wall

GL-CR-WTK6	6"W Wall termination kit
GL-CR-WTK12	12"W Wall termination kit
GL-CR-WTK18	18"W Wall termination kit
GL-CR-WTK24	24"W Wall termination kit



GL-CR1210



GL-CR-WTK12

Part No. Description

ELEVATION KIT

Supports cable runway above a continuous row of racks or cabinets of varying heights; can be mounted perpendicular or parallel; kit includes two pairs of brackets and assembly hardware; black

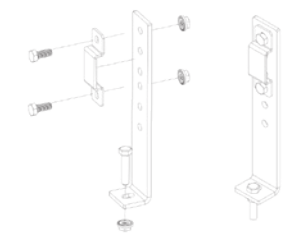
GL-CR-REK23	Elevation kit 2-3"
GL-CR-REK46	Elevation kit 4-6"

Part No. Description

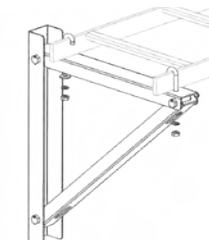
TRIANGULAR SUPPORT BRACKET

Provides wall support for universal cable runway

GL-CR-TSB6	6" Bracket
GL-CR-TSB12	12" Bracket
GL-CR-TSB18	18" Bracket
GL-CR-TSB24	24" Bracket



GL-CR-REK46



GL-CR-TSB12



Part No. Description

STRUCTURAL SUPPORT

Hardware to support cable runway throughout the facility

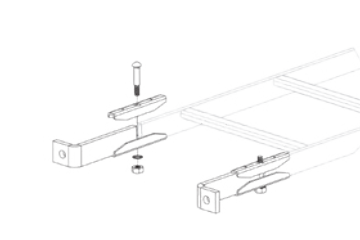
GL-CR-VSB	Cable runway vertical support bracket
GL-CR-VWB	Vertical wall bracket
GL-CR-TCR6-58	Threaded ceiling rod, 5/8", includes 2 of each: rod, ceiling bracket, hanger brackets
GL-CR-RSB58	Runway support bracket, accepts 5/8" rod; zinc yellow
GL-CR-SHBK	1.5" Slotted hanger bracket kit, includes 2 of each: 5/8" external tooth washer, sprint lock washer, and hex nuts

Part No. Description

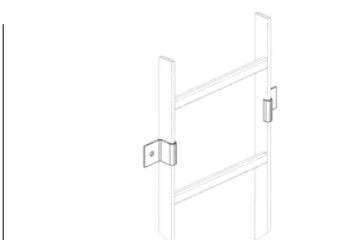
RADIUS DROP

Provides a smooth transition for cables when exiting the runway; helps maintain proper cable bend radius

GL-CR-RSD	10"W Side drop; 1.55" radius
GL-CR-RD12	12"W Cross member drop with integrated radius
GL-CR-RD18	18"W Cross member drop with integrated radius
GL-CR-RD24	24"W Cross member drop with integrated radius



GL-CR-VSB



GL-CR-VWB

Part No. Description

CORNER BRACKET

Creates a radius for L, T, or X-shaped intersections of cable runway formed when two or more pieces of cable runway are connected together with the junction splice kit; black

GL-CR-CB24	Corner bracket 24"
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Part No. Description

CABLE RETAINING POST

Attaches to the outside of the runway to prevent cables from falling off of the runway; yellow zinc

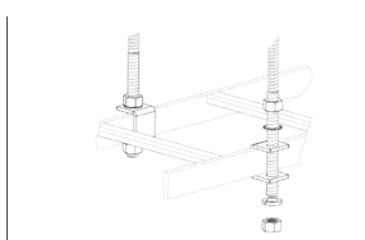
GL-CR-CRP4	Cable retaining post, 4"
GL-CR-CRP8	Cable retaining post, 8"
GL-CR-CRP12	Cable retaining post, 12"

Part No. Description

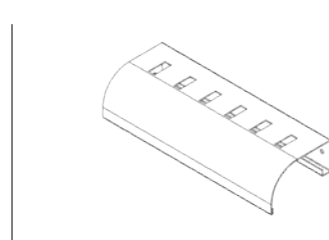
SPLICE KITS

Join two sections of runway; yellow zinc plated

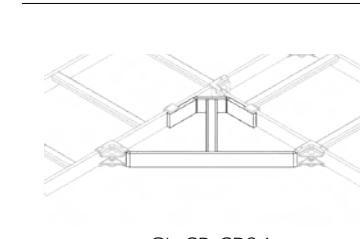
GL-CR-JSK	Junction splice kit, join runway to form a perpendicular intersection
GL-CR-BSK	Butt splice kit, join runway end-to-end



GL-CR-RSB58



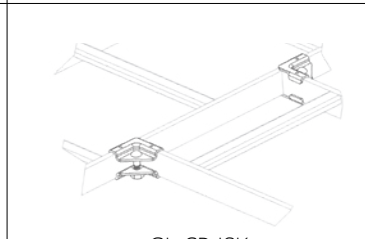
GL-CR-RSD



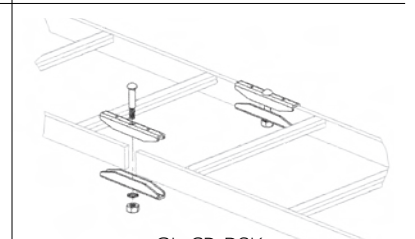
GL-CR-CB24



GL-CR-CRP4



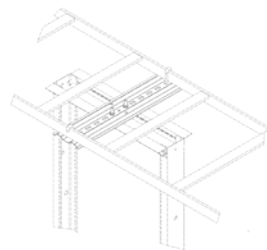
GL-CR-JSK



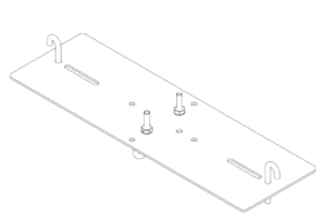
GL-CR-BSK

CABLE RUNWAY

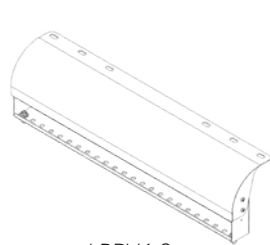
Part No.	Description
RACK TO RUNWAY BRACKETS	
Attach cable runway and basket tray to Great Lakes products and other industry open frame racks	
GL-CR-RTR18	Rack to runway kit, includes universal mounting plate to support runway up to 18"W; use with open frame racks
GL-CR-RTR24	Rack to runway kit, includes universal mounting plate to support runway up to 24"W; use with open frame racks
1984LR	Flat bracket supports 12-18"W ladder; use with 2 and 4 Post Racks
LRBV4-8	Bracket with 3" waterfall bend radius; configure LRB to 4, 6, and 8" height; supports 12-24"W ladder; use with ES cabinets, CMRX, CMR, VRX racks
4PLRB2	Bracket, 2"H, supports up to 24"W ladder; use with CMRX, CMR, VRX racks
LRB-12	Bracket with integrated radius, 3"H, LRB supports 12"W ladder; use with ES cabinets
LRB-24	Bracket with integrated radius, 3"H, LRB supports up to 24"W ladder; use with ES cabinets
LRB-12A1	Bracket with integrated radius, adjustable 6-11.5"H, LRB supports 12"W ladder; use with ES cabinets
LRB-12A2	Bracket with integrated radius, adjustable 14-24"H, LRB supports 12"W ladder; use with ES cabinets
LRB-24A1	Bracket with integrated radius, adjustable 6-11.5"H, LRB supports 12-24"W ladder; use with ES cabinets
LRB-24A2	Bracket with integrated radius, adjustable 14-24"H LRB supports 12-24"W ladder; use with ES cabinets



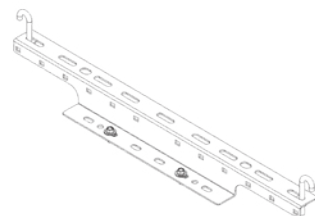
GL-CR-RTR18



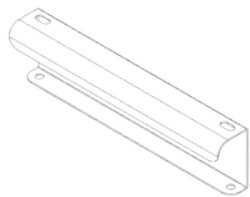
1984LR



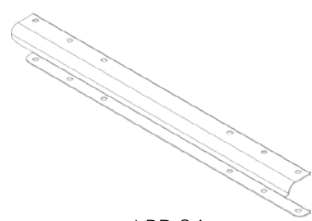
LRBV4-8



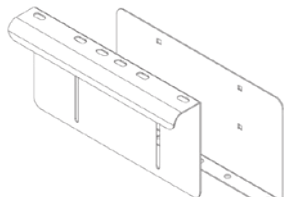
4PLRB2



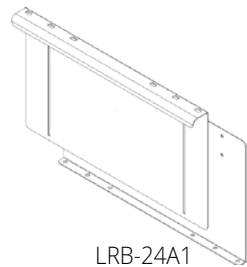
LRB-12



LRB-24



LRB-12A1



LRB-24A1

SECURITY PANEL SYSTEM

PERIMETER LAYER PROTECTION

Maybe your data systems are in a shared space. Maybe you just don't want prying eyes any closer than they need to be.

Whatever your security and privacy concerns, our security panels are up to the challenge.

We can build a system around your existing equipment, or design a cool solution for a new installation. We can even provide protection overhead or underfloor.

Whether you choose lightweight aluminum or sturdy steel, our system is easy to assemble. And you can add options like sliding doors, swinging doors, and smart access control. Just a few more ways **we rack your world.**

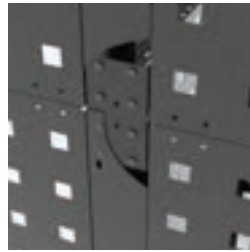
"Our security panels are designed and built in a single location, so they can be ready to go when you are."

JD McCrillis - Regional VP

SECURITY SYSTEM



▶ SECURITY PANEL SYSTEM



Secured Hardware

Panel-to-post assembly hardware is secured inside of the room and is concealed with a riveted cover panel to prevent tampering

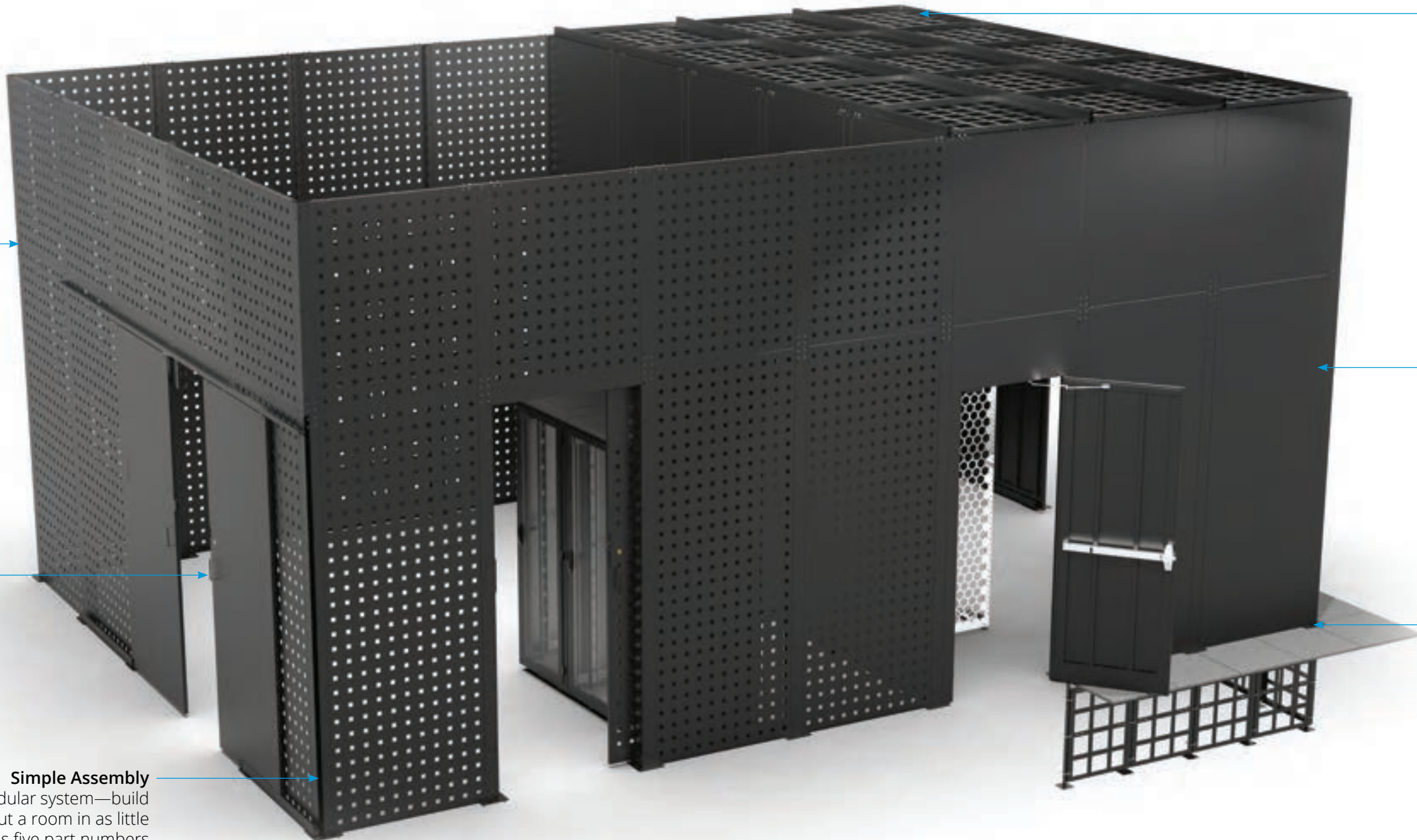
SEAL Electronic Access

Optional intelligent access control to monitor and manage entry; compatible with sliding and swinging doors



Simple Assembly

Modular system—build out a room in as little as five part numbers



Custom Options

Overhead and underfloor custom solutions create 360° of protection; additional variations include material, construction, and color

Construction

Aluminum panels and steel posts provide a physical deterrent to protect against bending, cutting, and intentional damage

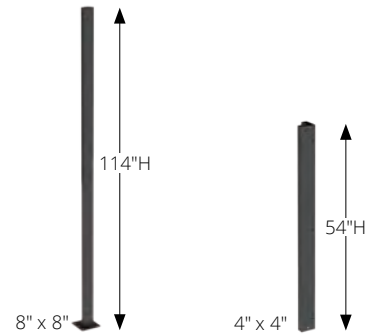
Self-Supporting

Strong materials and design mean it's not necessary to attach systems to a wall or ceiling for stability; proper post and panel installation fully support the system

▶ POST AND PANELS

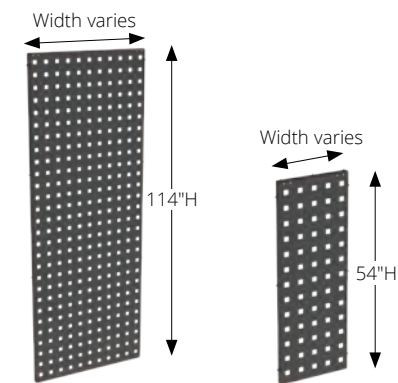
Part No.	Description
BASE POST 114"H - Includes top support bracket and post cover (riveted cover so assembly hardware is not exposed); Steel	
SP114-BPST	Single post

Part No.	Description
UPPER POST 54"H - Includes post cover (riveted cover so assembly hardware is not exposed); Steel	
SP54-UPST	Single post



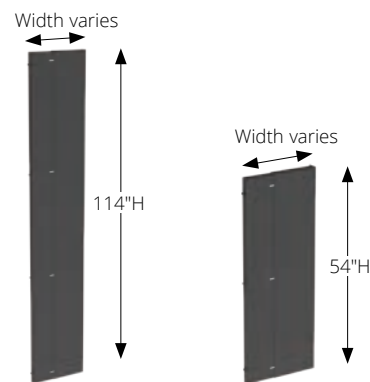
Part No.	Description
BASE PANELS 114"H, Aluminum	
SP114-BP-48V	Vented, 48"W
SP114-BP-48S	Solid, 48"W
SP114-BP-24V	Vented, 24"W
SP114-BP-24S	Solid, 24"W
SP114-BP-12V	Vented, 12"W
SP114-BP-12S	Solid, 12"W

Part No.	Description
UPPER PANELS 54"H, Aluminum	
SP54-UP-48V	Vented, 48"W
SP54-UP-48S	Solid, 48"W
SP54-UP-24V	Vented, 24"W
SP54-UP-24S	Solid, 24"W
SP54-UP-12V	Vented, 12"W
SP54-UP-12S	Solid, 12"W



Part No.	Description
ADJUSTABLE BASE PANELS 114"H - Installs from post-to-post or from post-to-wall, Aluminum	
SP114-ABP-35S	Solid, 3-5"
SP114-ABP-812S	Solid, 8-12"
SP114-ABP-1118S	Solid, 11-18"
SP114-ABP-1724S	Solid, 17-24"

Part No.	Description
ADJUSTABLE UPPER PANELS 54"H - Installs from post-to-post or from post-to-wall, Aluminum	
SP54-AUP-35S	Solid, 3-5"
SP54-AUP-812S	Solid, 8-12"
SP54-AUP-1118S	Solid, 11-18"
SP54-AUP-1724S	Solid, 17-24"



▶ DOORS

Part No.	Description
SLIDING DOORS 114"H x 48"W doors, Aluminum	
SP114-SLDR-48V	Vented with pull handle and keyed gate lock, manual close
SP114-SLDR-48S	Solid with pull handle and keyed gate lock, manual close
SP114-SLDR-48VAC	Vented with pull handle and keyed gate lock, auto close
SP114-SLDR-48SAC	Solid with pull handle and keyed gate lock, auto close



Part No.	Description
DOUBLE SLIDING DOORS 114"H x 96"W doors, Aluminum	
SP114-DSLDR-96V	Vented with pull handle and keyed gate lock, manual close
SP114-DSLDR-96S	Solid with pull handle and keyed gate lock, manual close
SP114-DSLDR-96VAC	Vented with pull handle and keyed gate lock, auto close
SP114-DSLDR-96SAC	Solid with pull handle and keyed gate lock, auto close



Part No.	Description
EGRESS SWINGING DOORS 114"H x 48"W doors, Aluminum	
SP114-SWDR-LH48S	Solid, swings to the left; emergency exit with auto close; door can be upgraded to serve as an entrance by adding electronic door access and an electronic strike
SP114-SWDR-RH48S	Solid, swings to the right; emergency exit with auto close; door can be upgraded to serve as an entrance by adding electronic door access and an electronic strike



▶ ACCESS CONTROL

Part No.	Description
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ELECTRONIC DOOR ACCESS

Intelligent access control limits, monitors, and manages individuals with access into the secure space

GLSPXHSEAL-4045	Pinpad and HID reader, stand-alone system; Single-door proximity access control with quick installation—no user interface required for setup and use
GLASPXSEAL-RP40	HID reader that integrates with existing BMS*; compatible with a growing range of technologies to function with existing BMS access control
GLASPXSEAL-RP40EVO	HID reader, stand-alone system; Simple user interface that uses a standard web browser
GLASPXSEAL-W2	Biometric scanner and card reader that integrates with existing BMS*; Provides increased security measures through finger-print authentication and support of dual-frequency RFID technology

*BMS, Building Management System

Part No.	Description
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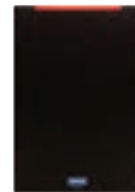
ELECTRONIC DOOR LOCKS

An electronic door lock is required when electronic door access will be used

GL-SLDRML-SEAL01	Electromagnetic lock for use on sliding doors
GL-SWDREL-SEAL01	Electronic strike for use on swinging door (allows door to be used as an entrance point)



Pinpad/HID



HID, BMS*



HID, Stand Alone



Biometric



Electromagnetic Lock



Electronic Strike

BOX

ONE. TOUGH. BOX.

BOX by Great Lakes is engineered to live a long life. Outdoors. In the toughest conditions you can find on the planet.

Built right here in the USA, BOX can handle the hottest days or the coldest nights. It repels precipitation: falling from the sky, splashing and splashing from the ocean, or intense hose-downs.

Even better, BOX can be outfitted with simple accessories for fiber applications. Add primary and back-up power systems to keep equipment running. And secure it with high-tech locks.

Available as cabinets or wall mounts, BOX is ideal for today's 5G needs—bringing faster broadband deployments to a city near you.

We rack your world to the extreme. With the one BOX you won't ever find in the recycle bin.

“We take care of all the details, so BOX by Great Lakes is installation ready.”

Bryan Lowther - Vice President of Broadband Solutions





BOX GREAT LAKES

Active and passive BOX solutions, fully integrated with industry-leading power, connection, security, and cooling components, simplify and streamline broadband, telecom, and industrial deployments.

Configure a BOX

NEMA Rating • Dimensions • Plinth

Choose an airflow solution

AC unit • Heat exchanger (HX) • Fan/filter kit

Add simple accessories

Fiber spools • Slack trays • Reducer brackets

Choose electrical components

Load center • Power chassis & rectifier • Backup battery

BOX, WIRED AND TESTED AT GREAT LAKES, CONFIGURED AND INTEGRATED TO CUSTOMER SPECS!



MADE & ASSEMBLED IN THE USA



NEMA RATED FOR OUTDOOR & INDOOR USE



INTEGRATED COOLING & HEATING OPTIONS



INTEGRATED & TESTED POWER COMPONENTS

SINGLE BAY



OUTDOOR RATED CABINET TO SUPPORT EIA EQUIPMENT

- 30"W welded frame and doors constructed of .125" aluminum
- Two pairs of depth adjustable, 3/8" sq. (M6) mounting rails with 19/23" EIA
- Rails feature Flexible Mounting Profile (FMP) for zero-U accessory mounting, "T" slots for cinch straps, and square pattern for 1/4 turn "D" rings
- Front and rear door with: 90-degree wind stop; 3-pt latch swing handle with hasp for optional padlock; and seamless, form in place gasket
- 8.5" x 11" Document holder included on rear door; optional laptop tray attaches to holder
- RAL 7035 Gray with UV-rated textured powder coat; Beige and White available upon request
- Standards: NEMA 250 Type 3R or 4
- Country of Origin, USA

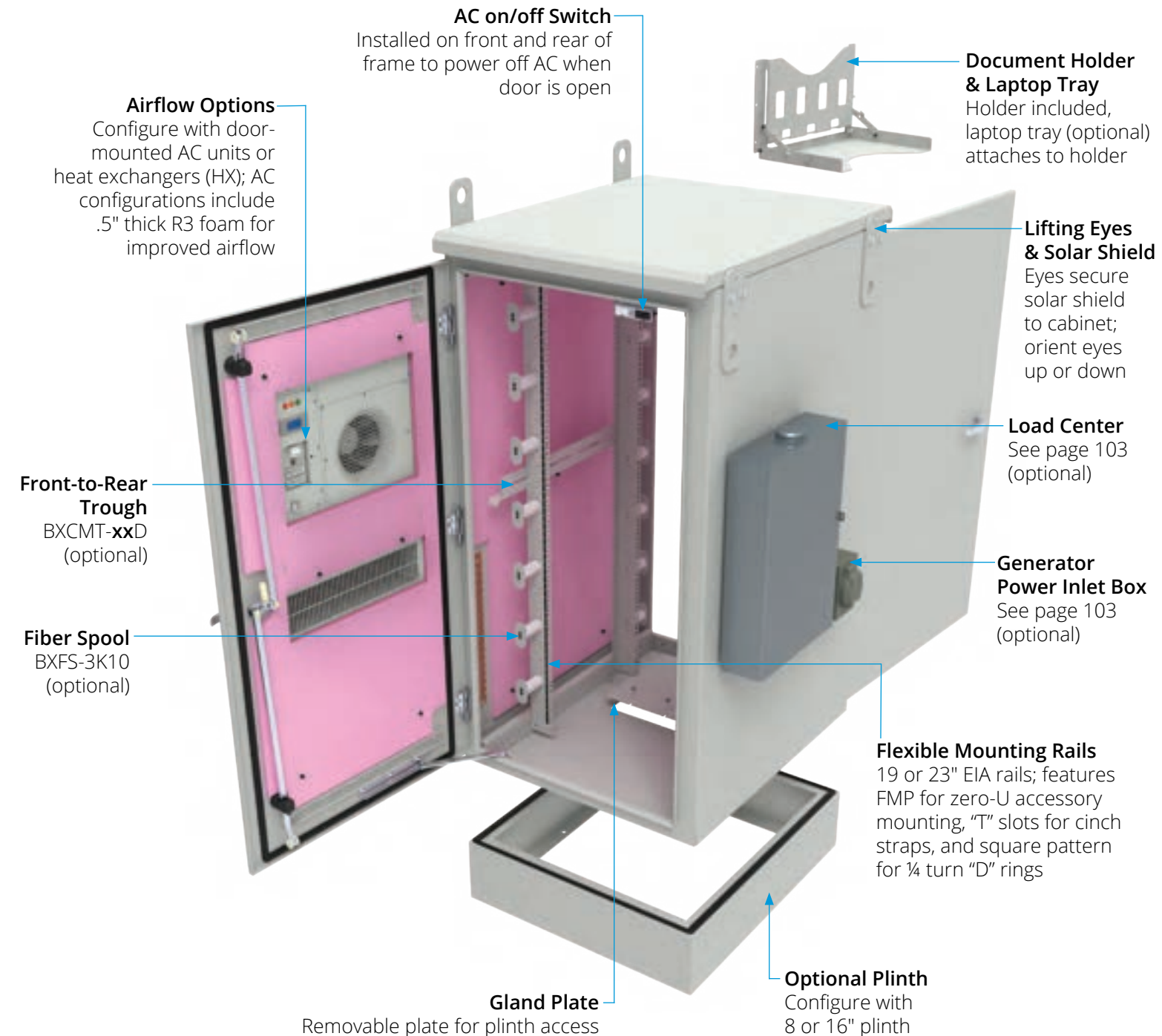
Using the attribute chart below, select an option from each column to designate a standard BOX Single Bay
EXAMPLE: BXS04-24U32-GY-08-AC020-115 (Type 4, 24U, 32"D, Gray, AC Unit - 2000 BTU, 115 VAC)

RATING	RMU	DEPTH	COLOR	PLINTH	AIRFLOW
BXS0xx-	xxU	xx-	GY-	xx-	xxxxx-xxx
3R (Type 3R)	16 (16U, 34")	32	GY (Gray)	00 (none)	00000-000 (none)
04 (Type 4)	24 (24U, 48")	36		08 (8")	AC unit and heat exchanger options listed on page 103
	30 (30U, 58.5")	42		16 (16")	
	42 (42U, 79.5")				

COMPLETE BOX INCLUDES: Welded frame with two pairs of 3/8" sq. (M6) mounting rails, 19/23" EIA; Front and rear door with 3-pt latch swing handle with hasp; 4 Lifting eyes; .125" Aluminum construction; Included Accessories: Document holder; Junction box duplex 15-Amp GFCI (not wired unless load center is ordered, see page 103); Ground Bar (Tinned copper; 16 position; 1/4" thick; 1/4"-20 threads at 5/8" spacing); Plinth and airflow as configured; NEMA 250 Type 3R or 4

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
BXCMT-xxD	Front-to-rear trough, 3.2"H x 1.7"W, install along rails; replace 'xx' with 32/36/42 cabinet depth
CM-25	1/4 Turn "D" rings, 1.5" x 3.5", plastic, set of 10, install in square hole pattern on rails
BXFS-3K10	Fiber spool, 3"H x 1.5"W x 3.10"D, set of 10, install along spool pattern on rails
ESC-K6	Cable management fingers, 4" x 7 RMU, set of 6, install along the FMP of rails
BX-LT8511	Laptop tray, attaches to standard BOX document holder; fits 15.5"W laptop, 11.5" of usable depth



MOST CONFIGURABLE CABINET FOR OUTDOOR USE

DOUBLE BAY



INCREASED EIA SPACE FOR OUTDOOR APPLICATIONS

- 60"W welded frame and doors constructed of .125" aluminum
- Four pairs of depth adjustable, 3/8" sq. (M6) mounting rails with 19/23" EIA
- Rails feature Flexible Mounting Profile (FMP) for zero-U accessory mounting, "T" slots for cinch straps, and square pattern for 1/4 turn "D" rings
- Front and rear doors with: 90-degree wind stop; 3-pt latch swing handle with hasp for optional padlock; and seamless, form in place gasket
- 8.5" x 11" Document holder included on rear door; optional laptop tray attaches to holder
- RAL 7035 Gray with UV-rated textured powder coat; Beige and White available upon request
- Standards: NEMA 250 Type 3R or 4
- Country of Origin, USA

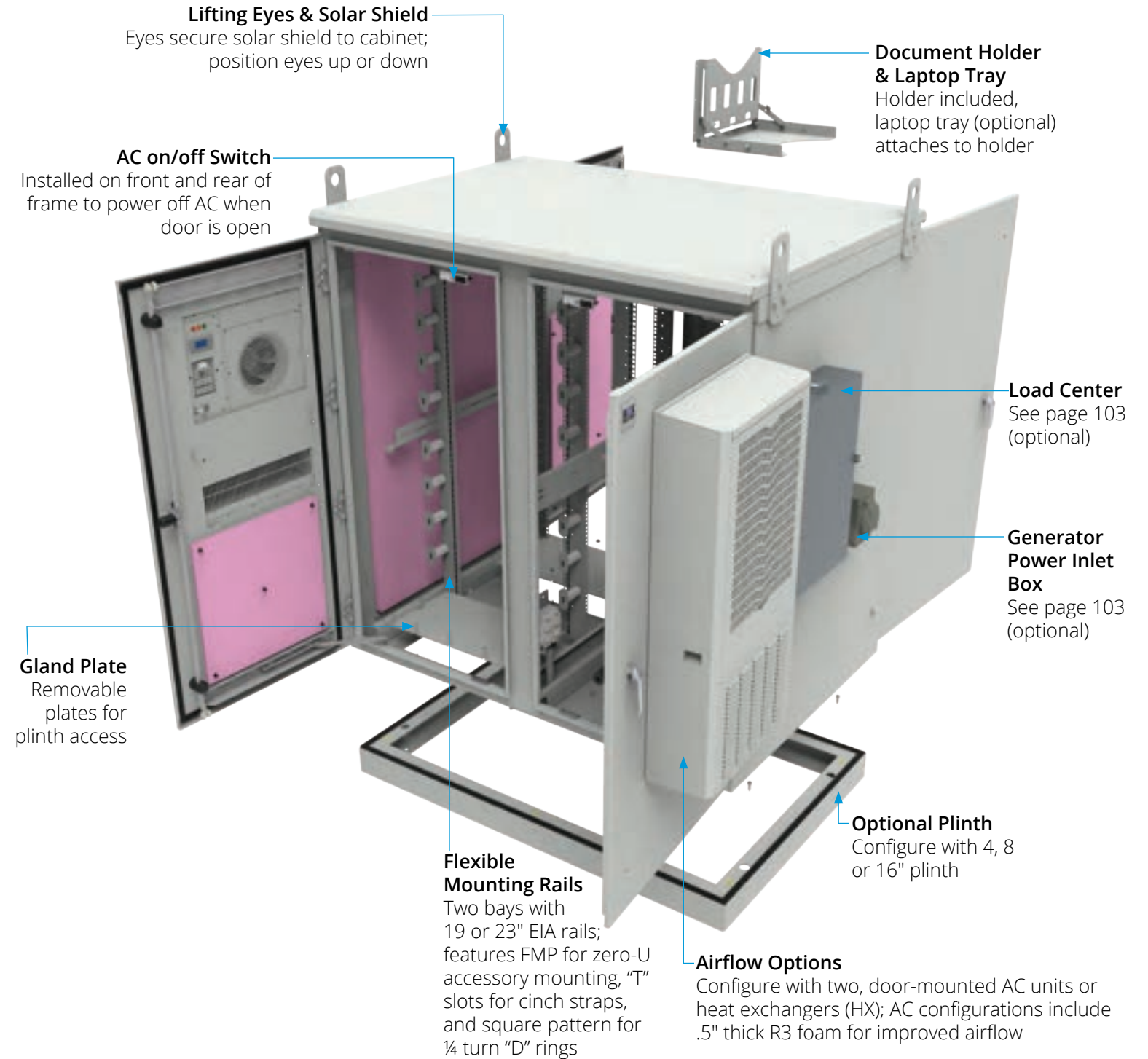
Using the attribute chart below, select an option from each column to designate a standard BOX Double Bay
 EXAMPLE: BXDB04-24U32-GY-08-AC020-115 (Type 4, 24U, 32"D, Gray, AC Unit - 2000 BTU, 115 VAC)

RATING	RMU	DEPTH	COLOR	PLINTH	AIRFLOW
BXDBxx-	xxU	xx-	GY-	xx-	xxxxx-xxx
3R (Type 3R)	24 (24U, 48")	32	GY (Gray)	00 (none)	00000-000 (none)
04 (Type 4)	30U (30U, 58.5")	36		04 (4")	AC unit and heat exchanger options listed on page 103
		42		08 (8")	
				16 (16")	

COMPLETE BOX INCLUDES: Welded frame with four pairs of 3/8" sq. (M6) mounting rails, 19/23" EIA; Front and rear door with 3-pt latch swing handle with hasp; 4 Lifting eyes; .125" Aluminum construction; Included Accessories: Document holder; Junction box duplex 15-Amp GFCI (not wired unless load center is ordered, see page 103); Ground Bar (Tinned copper; 16 position; 1/4" thick; 1/4"-20 threads at 5/8" spacing); Plinth and airflow as configured (two AC units included unless specified at time of order), NEMA 250 Type 3R or 4

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
BXCMT-xxD	Front-to-rear trough, 3.2"H x 1.7"W, install along rails; replace 'xx' with 32/36/42 cabinet depth
CM-25	1/4 Turn "D" rings, 1.5" x 3.5", plastic, set of 10, install in square hole pattern on rails
BXFS-3K10	Fiber Spool, 3"H x 1.5"W x 3.10"D, set of 10, install along spool pattern on rails
ESC-K12	Cable Management Fingers, 4" x 7 RMU, set of 12, install along the FMP of rails
BX-LT8511	Laptop tray, attaches to standard BOX document holder; fits 15.5"W laptop, 11.5" of usable depth



DOUBLE THE SPACE, DOUBLE THE EQUIPMENT

FIBER DISTRIBUTION



CROSS-CONNECT CABINET SOLUTION FOR FIBER DISTRIBUTION

- 34"W x 18"D welded frame; doors constructed of .125" aluminum
- Accommodate 19-inch fiber products and applications: splicing, patching and passive component integration
- One set of 19" EIA mounting rails with fiber spools installed
- Front door with: 90-degree wind stop; 3-point latch swing handle with hasp for optional padlock; and 8.5" x 11" document holder
- Removable rear panel with quarter-turn cam latches
- Seamless form-in-place gasket on front door and rear panel
- Removable bottom gland plate for large, open access to plinth
- Plinth with removable cover panel with quarter-turn cam latches
- RAL 7035 Gray with UV-rated textured powder coat; Beige and White available upon request
- Standards: NEMA 250 Type 3, Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard Fiber BOX
EXAMPLE: BXFD03-16U-GY-06 (16U, Gray, 6" Plinth)

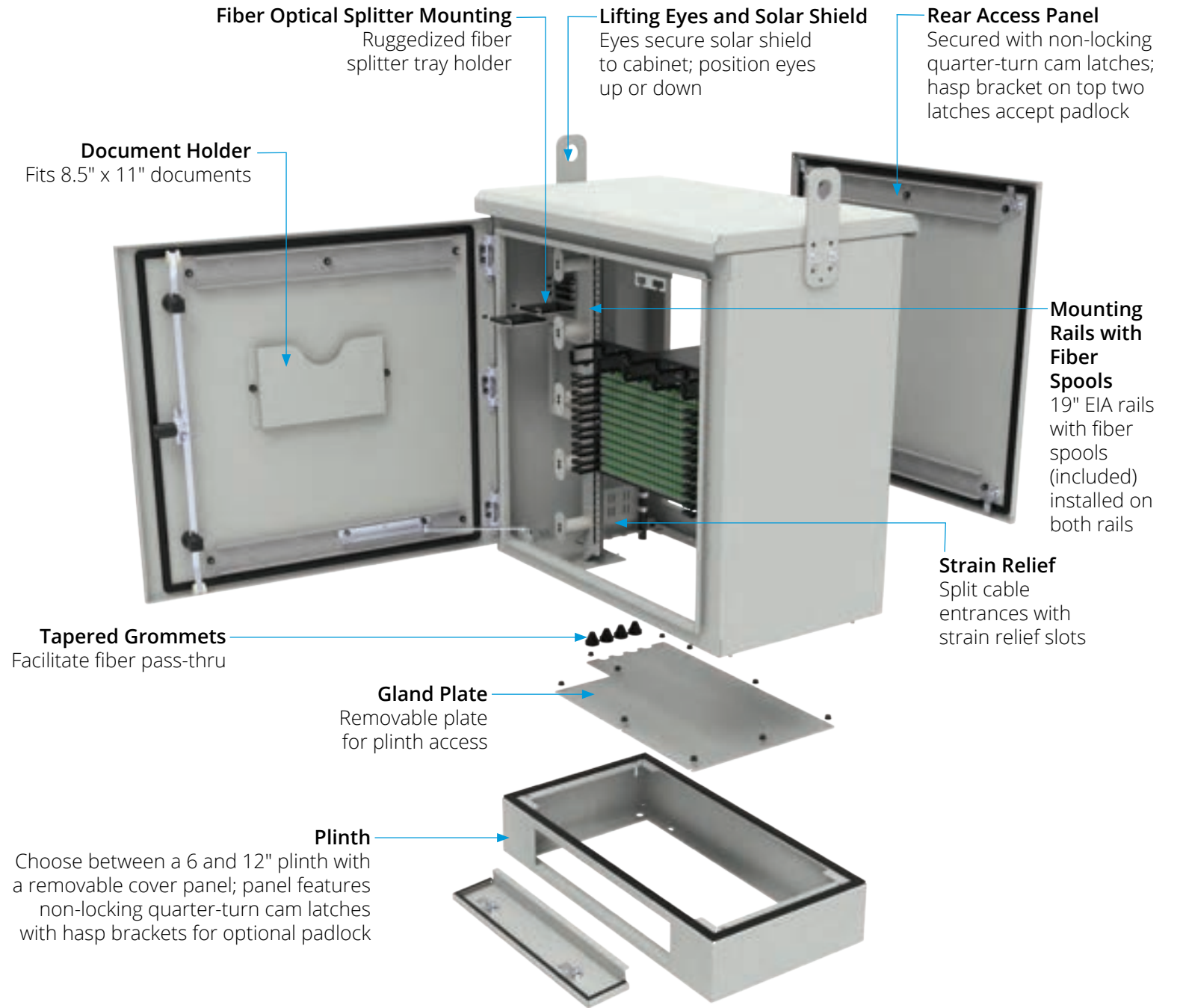
RATING	RMU	COLOR	PLINTH
BXFD03-	xxU-	GY-	xx
03 (Type 3)	08 (8U, 26.12"H)	GY (Gray)	06 (6")
	16 (16U, 40.12"H)		12 (12")
	24 (24U, 51.12"H)		

COMPLETE FIBER DISTRIBUTION BOX: Welded frame with one pair of 3/8" sq. (M6) mounting rails, 19" EIA; Front and rear door with 3-pt latch swing handle with hasp; 4 Lifting eyes; .125" Aluminum construction; Included Accessories: Document holder; Fiber cable spools along front rails; fiber splitter tray holder; Plinth and airflow as configured; NEMA 250 Type 3

POPULAR ACCESSORIES

PART NO.	DESCRIPTION
FRD-SCA1-144-SO-150F	Fiber rapid deployment panel, 19 or 23"EIA, 3 RMU, 144 SC/APC*, preterminated with outdoor 150' pigtail
FRD-SCA1-288-SO-150F	Fiber rapid deployment panel, 19 or 23"EIA, 6 RMU, 288 SC/APC*, preterminated with outdoor 150' pigtail
FS-RR-116-GH-SASA-M	Ruggedized planer lightwave circuit fiber splitter: 1 x 16 SC/APC* with 60" inputs and 51" outputs
FS-RR-108-GH-SASA-M	Ruggedized planer lightwave circuit fiber splitter: 1 x 8, SC/APC* with 60" inputs and 51" outputs
FS-RR-104-GH-SASA-M	Ruggedized planer lightwave circuit fiber splitter: 1 x 4, SC/APC* with 60" inputs and 51" outputs

* Subscriber Connector Angled Physical Contact



CROSS-CONNECT SOLUTION FOR FIBER NETWORKS

DOUBLE SWING WALL MOUNT



NEMA 4 RATED WALL MOUNT FOR OUTDOOR USE

- Two pairs of depth adjustable #12-24 mounting rails, 19" EIA
- Rails feature square hole pattern for ¼ turn "D" rings and "T" slots for cinch straps
- Front door with 150mm x 25mm standard door handle cutout
- 90-degree security hinge with pull-open hinge pins allow removal of the center section for easy installation of rear section only
- Removable gland plates accept optional AC unit or fan/filter kit with rain shrouds
- Reversible mounting for left- or right-hand opening (Note: AC will always install on hinge side)
- RAL 7035 Gray, with UV-rated textured powder coat
- Standards: NEMA 250 Type 4, Country of Origin, USA

Using the attribute chart below, select an option from each column to designate a standard double swing wall mount
EXAMPLE: BXWM04-18U-24-GY-SH-FFKN4 (18U, 24"D, Gray, Swing Handle, Fan/Filter/Shroud Kit)

RATING	RMU	DEPTH	COLOR	HANDLE	AIRFLOW
BXWM04-	xxU	xx-	GY-	SH-	xxxxx
04 (Type 4)	11 (11U, 24")	24	GY (Gray)	SH (Swing Handle)	00000 (none)
	18 (18U, 36")	32			FFKN4 (Fan/filter/shroud) ¹
	25 (25U, 48")				AC010 (1000 BTU AC) ²
					AC020 (2000 BTU AC) ²
					AC041 (4100 BTU AC) ³

¹One NEMA 4, 28 CFM, 115VAC fan/filter kit (with two rain shrouds) included; 36" and 48" wall mounts can accept two kits; ²1000 and 2000 BTU AC for use with 24" and 36"H; ³4100 BTU AC for use with 48"H

COMPLETE BOX WALL MOUNT INCLUDES: Welded wall mount with two pairs of tapped #12-24 mounting rails, 19" EIA; Front door with locking swing handle with hasp (for optional padlock); cold rolled steel construction; Airflow as configured; NEMA 250 Type 4

POPULAR ACCESSORIES

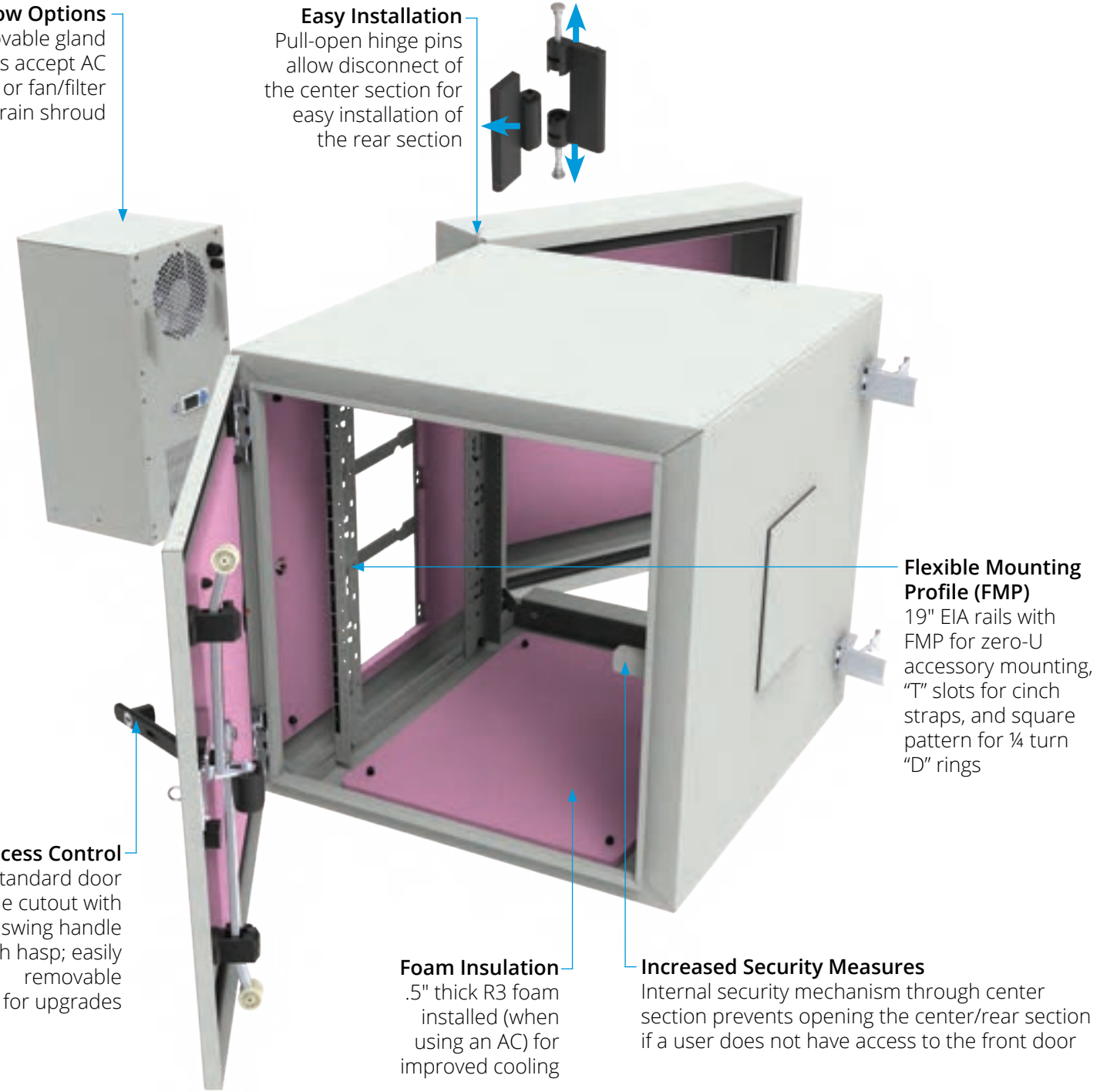
PART NO.	DESCRIPTION
CM-25	1/4 Turn "D" rings, 1.5" x 3.5", plastic, set of 10, install in square hole pattern on rails
CM-01	1/2"W x 12"L, single cinch strap with thru-hole for screw
CM-05	19" Horizontal cable organizer, Includes 1.5" x 3.5" Rings, 1 RMU
CM-16	19" Horizontal cable organizer with fingers and cover, 1 RMU
7206-FST	Fiber spool tray, 19" EIA, 10.50"D, 1 RMU

Airflow Options

Removable gland plates accept AC unit or fan/filter with rain shroud

Easy Installation

Pull-open hinge pins allow disconnect of the center section for easy installation of the rear section



Flexible Mounting Profile (FMP)

19" EIA rails with FMP for zero-U accessory mounting, "T" slots for cinch straps, and square pattern for ¼ turn "D" rings

Access Control

Standard door handle cutout with locking swing handle with hasp; easily removable for upgrades

Foam Insulation

.5" thick R3 foam installed (when using an AC) for improved cooling

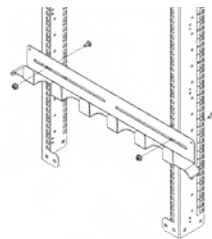
Increased Security Measures

Internal security mechanism through center section prevents opening the center/rear section if a user does not have access to the front door

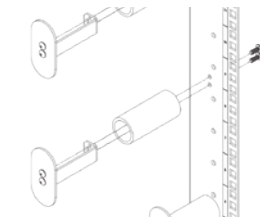
WALL OR POLE MOUNT FOR OUTDOOR CONVENIENCE

▶ BOX ACCESSORIES

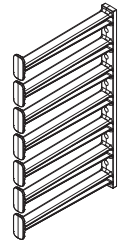
Part No.	Description	BXSB	BXDB	BXFD	BXWM
POPULAR BOX ACCESSORIES					
BX-CMT-32	Front-to-rear cable trough, 3.2"H x 1.7"W 22.5"D, attaches to side of EIA rails in 32"D cabinets, 19"D max rail spacing, black	X	X		
BX-CMT-36	Front-to-rear cable trough, 3.2"H x 1.7"W 26.5"D, attaches to side of EIA rails in 36"D cabinets, 19"D max rail spacing, black	X	X		
BX-CMT-42	Front-to-rear cable trough, 3.2"H x 1.7"W 32.5"D, attaches to side of EIA rails in 42"D cabinets, 19"D max rail spacing, black	X	X		
BXFS-3K10	Fiber spool, 3"H x 1.5"W x 3.10"D, set of 10, install along spool pattern on rails	X	X	X	
ESC-K4	Cable management fingers, 4" x 7 RMU, set of 4, install along the FMP of rails	X	X	X	
ESC-K4-7	Cable management fingers, 7" x 7 RMU, set of 4, install along the FMP of rails	X	X	X	
ESC-K6	Cable management fingers, 4" x 7 RMU, set of 6, install along the FMP of rails	X	X	X	
ESC-K6-7	Cable management fingers, 7" x 7 RMU, set of 6, install along the FMP of rails	X	X	X	
CM-25	1/4 Turn "D" rings, 1.5" x 3.5", plastic, set of 10, install in square hole pattern on rails	X	X		X
CM-01	1/2"W x 12"L, single cinch strap with thru-hole for screw, black	X	X	X	X
7206-FST	Fiber spool tray, 19" EIA, 10.50"D, 1 RMU	X	X	X	X
7207-FST	Fiber spool tray, 23" EIA, 10.50"D, 1 RMU	X	X		
BXRB-2319-2U	Pair of flush reducer brackets, 23" to 19", 2 RMU, galvanized	X	X		
BXRB-2319-4U	Pair of flush reducer brackets, 23" to 19", 4 RMU, galvanized	X	X		



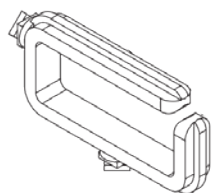
BX-CMT-xx



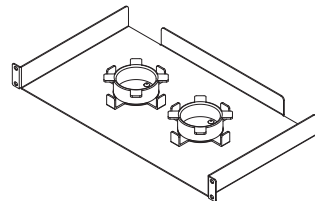
BXFS-3K10



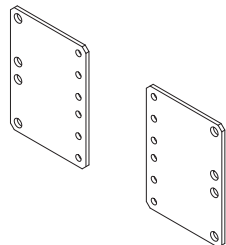
ESC-K4-7



CM-25



7206-FST

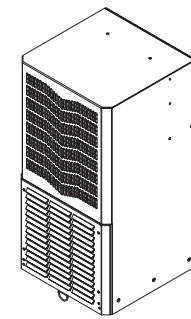


BXRB-2319-2U

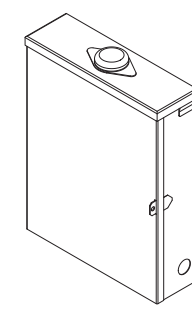
▶ COOLING/ELECTRICAL

Part No.	Type of Unit	Power Source	Watts	BTU	Dimensions	Weight (lbs.)	Compatible BOX
AIRFLOW UNITS FOR BOX SINGLE BAY, DOUBLE BAY, AND DOUBLE SWING WALL MOUNT							
Airflow unit mounts on the front door of Single Bay and Double Bay Cabinets, except where noted; Airflow unit mounts on the hinge side of wall mounts							
AC010-115	Air conditioner	115 VAC, 50/60 Hz	300	1000	20"H x 10"W x 9.9"D	31	16U, 24U Cabinet; 11U, 18U Wall Mount
AC020-115	Air conditioner	115 VAC, 50/60 Hz	600	2000	20"H x 10"W x 9.9"D	40.7	16U, 24U Cabinet; 11U, 18U Wall Mount
AC041-115	Air conditioner	115 VAC, 50/60 Hz	1,200	4100	29"H x 10"W x 11.3"D	62	24U, 30U Cabinet; 25U Wall Mount
AC061-115	Air conditioner	115 VAC, 50/60 Hz	1,800	6100	38.6"H x 19"W x 9.3"D	99	24U, 30U, 42U Cabinet
AC061-230	Air conditioner	230 VAC, 50/60 Hz	1,800	6100	38.6"H x 19"W x 9.3"D	99	24U, 30U, 42U Cabinet
AC119-230	Air conditioner	230 VAC, 50/60 Hz	3,500	11900	49.2"H x 19.7"W x 10.2"D	132	30U, 42U Cabinet
AC171-230	Air conditioner	230 VAC, 50/60 Hz	5,000	17100	55.1"H x 23.6"W x 13.4"D	154	42U Cabinet (left side mounting)
AC043-048	Air conditioner	48 VDC	1,250	4300	35.4"H x 19"W x 6.9"D	62	24U, 30U Cabinet
AC061-048	Air conditioner	48 VDC	1,800	6100	38.6"H x 19"W x 9.3"D	99	24U, 30U, 42U Cabinet
AC119-048	Air conditioner	48 VDC	3,500	11900	49.2"H x 19.7"W x 10.2"D	132	30U, 42U Cabinet
AC171-048	Air conditioner	48 VDC	5,000	17100	55.1"H x 23.6"W x 13.4"D	154	42U Cabinet (left side mounting)
HX125-048	Heat exchanger	48 VDC, 125 W/F	2250	7700	47.2"H x 21"W x 13.5"D	116	30U, 42U Cabinet

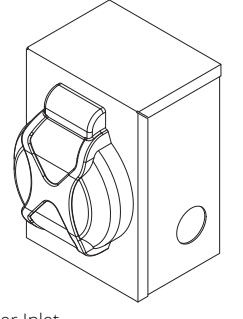
Part No.	Description
LOAD CENTER AND GENERATOR POWER INLET BOX FOR BOX SINGLE AND DOUBLE BAY CABINETS	
QO112M100PRB	Square D Load Center, 12 Spaces, 19"H x 14.8"W x 4.5"D, Single phase 24 circuits, 100A Convertible main breaker, PoN Certifications: NEMA 3R; UL, GFCI (included with cabinet) and optional airflow unit are wired when load center is ordered in conjunction with a BOX Single or Double Bay Cabinet
QO116M100PRB	Square D Load Center, 16 Spaces, 22.1"H x 14.8"W x 4.5"D, Single phase 24 circuits, 100A Convertible main breaker, PoN Certifications: NEMA 3R; UL, GFCI (included with cabinet) and optional airflow unit are wired when load center is ordered in conjunction with a BOX Single or Double Bay Cabinet
GPIB30A	Generator Power Inlet Box, 30 AMP, L14-30P, 125/250 Volt, 7500 Watts, 6.2"H x 4.2"W x 4.3"D, Use in conjunction with interlock kit and 30-amp breaker inside load center, Certifications: NEMA 3R; ETL Listed, Includes installation on a BOX Single or Double Bay Cabinet
GPIB50A	Generator Power Inlet Box, 50 AMP, SS2-50P, 125/250 Volt, 12500 Watts, 6.2"H x 4.2"W x 4.3"D, Use in conjunction with interlock kit and 50-amp breaker inside load center, Certifications: NEMA 3R; ETL Listed, Includes installation on a BOX Single or Double Bay Cabinet



Air Conditioner



Load Center



Generator Power Inlet

▶ POWER SYSTEM

48VDC, 400A POWER CHASSIS

- Integrated -48V, 400A power system with front access distribution
- Up to 26 distribution positions in both 5RU, 2.4/3.0kW rectifier option
- Advanced CXC HP controller with touch screen display for full control
- Temperature rated design for harsh outdoor applications from -40 to 149°F
- Wide range AC input for flexible worldwide deployment

RECTIFIER FOR 400A POWER CHASSIS

- High efficiency, approaching 96.9% for reduced OPEX and carbon footprint
- Extended operating temperature range up to 167°F
- Wide AC input operating range for global installation requirements

Part No.	Description
GL0919006-002	48VDC, 225A Power Chassis for Universal 19/23" EIA; Current Per Module: 225A max @ 48 VDC (nominal I/P); Up to 9 rectifiers; Hot Positions: 10 Load Breakers + Battery Breakers 2x sets of ¼" studs on 5/8" centers; 5.25"H x 17.24"W x 15"D (3 RMU), 47 lbs., Flush/Center mounting EIA brackets; Requires compatible rectifier (purchased separately) part number: P/N: 010-619-20; Single, double, and triple pole breakers available per specification
GL0919006-001	48VDC, 100A Power Chassis for Universal 19/23" EIA; Current Per Module: 100A max @ 48 VDC (nominal I/P); Up to 4 rectifiers; Hot Positions: 10 Load Breakers + Battery Breakers 2x sets of ¼" studs on 5/8" centers; 3.5"H x 17.24"W x 15"D (2 RMU), 40.4 lbs., Flush/Center mounting EIA brackets; Requires compatible rectifier (purchased separately) part number: P/N: 010-619-20; Single, double, and triple pole breakers available per specification
GL0100037-001	8VDC Modular Switched Mode Rectifier, Input Voltage - Nominal: 176 to 276 VAC; Extended (high): 277 to 300VAC (de-rated power factor); Extended (low): 90 to 175 VAC (de-rated output power), Output Voltage: 42 to 58 VDC, Output Power: 1200W; 110 to 132 VAC: 600W (de-rated linearly to 491W @ 90 VAC), Compatible with power chassis part numbers: GL0540570-401 (225A) and GL0540569-401 (100A)

48VDC, 225A & 100A POWER CHASSIS

- Integrated -48V power system packages
- Compact, high-density design utilizing standard plug-in circuit breakers
- High-efficiency design for reduced operating expenses
- Temperature-rated design for harsh outdoor installations
- Wide range AC input and IEC line cords for multiple AC services

RECTIFIER FOR 225A & 100A POWER CHASSIS

- 93.9% efficiency for reduced OPEX and carbon footprint
- Extended operating temperature range up to 167°F
- Wide AC input range for a variety of global installation requirements

Part No.	Description
GL0540570-401	48VDC, 225A Power Chassis for Universal 19/23" EIA; Current Per Module: 225A max @ 48 VDC (nominal I/P); Up to 9 rectifiers; Hot Positions: 10 Load Breakers + Battery Breakers 2x sets of ¼" studs on 5/8" centers; 5.25"H x 17.24"W x 15"D (3 RMU), 47 lbs., Flush/Center mounting EIA brackets; Requires compatible rectifier (purchased separately) part number: P/N: 010-619-20; Single, double, and triple pole breakers available per specification
GL0540569-401	48VDC, 100A Power Chassis for Universal 19/23" EIA; Current Per Module: 100A max @ 48 VDC (nominal I/P); Up to 4 rectifiers; Hot Positions: 10 Load Breakers + Battery Breakers 2x sets of ¼" studs on 5/8" centers; 3.5"H x 17.24"W x 15"D (2 RMU), 40.4 lbs., Flush/Center mounting EIA brackets; Requires compatible rectifier (purchased separately) part number: P/N: 010-619-20; Single, double, and triple pole breakers available per specification
GL010-619-20	48VDC Modular Switched Mode Rectifier, Input Voltage - Nominal: 176 to 276 VAC; Extended (high): 277 to 300VAC (de-rated power factor); Extended (low): 90 to 175VAC (de-rated output power), Output Voltage: 42 to 58 VDC, Output Power: 1200W; 110 to 132 VAC: 600W (de-rated linearly to 491W @ 90 VAC), Compatible with power chassis part numbers: GL0540570-401 (225A) and GL0540569-401 (100A)



GL0919006-002 shown with GL0100037-001



GL0100037-001 Rectifier



GL0540570-401 shown with GL010-619-20



GL010-619-20 Rectifier

▶ BACKUP POWER

NMC LITHIUM CHEMISTRY BATTERY

- Reliable power backup for hybrid, off-grid and grid-connected telecom sites
- Advanced technology made super easy to use, easy to install, maintenance free, charge control
- Works in all conditions and environments; extra protection against dust and moisture for prolonged life
- Automatic balancing, automatic reconnect, remote monitoring options and much more
- Unique, patented Anti-Theft Device disables function of batteries if removed from site; prepared for optional GPS tracker

Part No.	Description
GLSLB48-050-124-1U	48V, 50Ah, Battery for 19" EIA, Lithium Chemistry NMC, Discharging Ending Voltage: 39V, Charging Limited Voltage: 54.6, 2434Wh, 6000+ cycles at 80% DoD, Operating Temperature - Charging: 32 to 131°F; Discharging: -4 to 140°F; Storage: -4 to 140°F, Communication protocols specify at time of order: Modbus; RS485; RJ45, 3.4"H x 17.3"W x 15.0"D, 48.5 lbs., 2 RMU
GLSLB48-100-144-1U	48V, 100Ah, Battery for 19" EIA, Lithium Chemistry NMC, Discharging Ending Voltage: 39V, Charging Limited Voltage: 54.6, 4746Wh, 6000+ cycles at 80% DoD, Operating Temperature - Charging: 32 to 131°F; Discharging: -4 to 140°F; Storage: -4 to 140°F, Communication protocols specify at time of order: Modbus; RS485, RJ45, 6.9"H x 17.3"W x 13.9"D, 77.2 lbs., 4 RMU
GLSLB48-180-228-1U	48V, 180Ah, Battery for 23" EIA, Lithium Chemistry NMC, Discharging Ending Voltage: 32.5V, Charging Limited Voltage: 54.6, 8550Wh, 6000+ cycles at 80% DoD, Operating Temperature - Charging: 32 to 131°F; Discharging: -4 to 140°F; Storage: -4 to 140°F, Communication protocols specify at time of order: Modbus; RS485; RJ45, 3.4"H x 21.4"W x 28.5"D, 117 lbs., 2 RMU

LFP LITHIUM CHEMISTRY BATTERY

- Safe to use Low self-discharge rate
- Excellent high temperature performance
- High cycle times and long life
- High energy density and conversion efficiency
- Environmentally friendly without any heavy metals
- High-performance BMS battery management system

Part No.	Description
GLLFeLi-48100T-SNMP	48V, 100Ah, Battery for 19" EIA, Lithium Chemistry LFP, Discharging Ending Voltage: 37.5V, Charging Limited Voltage: 54.75V, 4800Wh, 3500 cycles at 80% DoD, Operating Temperature - Charging: 31 to 131°F; Discharging: -4 to 131°F; Storage: 23 to 95°F, Communication protocols specify at time of order: Modbus; RS232; RS485; SNMP, 5.25"H x 17.5"W x 17.7"D, 88.9 lbs., 3 RMU
GLLFELI-48200	48V, 200Ah, Battery for 19" EIA, Lithium Chemistry LFP, Discharging Ending Voltage: 40.5V, Charging Limited Voltage: 54V, 9600Wh, 5000 cycles at 80% DoD, Operating Temperature - Charging: 31 to +113°F; Discharging: 14 to +131°F; Storage: -4 to +140°F, Communication protocols specify at time of order: RS232; RS485; SNMP, 9.6"H x 17.5"W x 20.5"D, 174.8 lbs., 6 RMU



GLSLB48-050-124-1U



GLSLB48-100-144-1U



GLLFeLi-48100T-SNMP



GLLFELI-48200

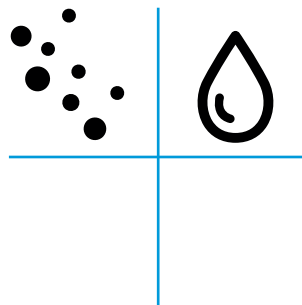
▶ NEMA RATING

12K

DUST PROTECTION

Constructed (with knockouts) for indoor use to provide a degree of protection to personnel and equipment against

- hazardous parts
- ingress of solid foreign objects (falling dirt and circulating dust, lint, fibers, and flyings)
- ingress of water (dripping and light splashing)

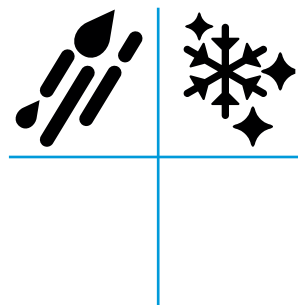


3R

RAIN PROTECTION

Constructed for either indoor or outdoor use to provide a degree of protection to personnel and equipment against

- hazardous parts
- ingress of solid foreign objects (falling dirt)
- ingress of water (rain, sleet, snow)
- formation of ice on the cabinet

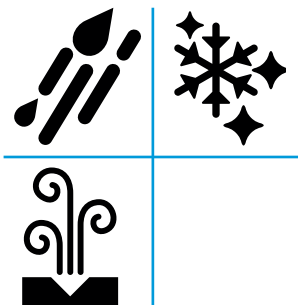


4

WATER PROTECTION

Constructed for either indoor or outdoor use to provide a degree of protection to personnel and equipment against

- hazardous parts
- ingress of solid foreign objects (falling dirt and windblown dust)
- ingress of water (rain, sleet, snow, splashing water, and hose directed water)
- formation of ice on the cabinet

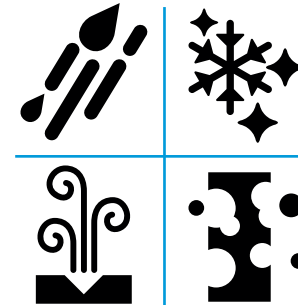


4X

WATER & CORROSION PROTECTION

Constructed for either indoor or outdoor use to provide a degree of protection to personnel and equipment against

- hazardous parts
- ingress of solid foreign objects (falling dirt and windblown dust)
- ingress of water (rain, sleet, snow, splashing water, and hose directed water); that provides an additional level of protection against corrosion
- formation of ice on the cabinet



POWER

WE GOT THE POWER.

Sophisticated data system? Then you need a sophisticated power solution. One with smart engineering, advanced monitoring, and an easy interface.

Most important, you need a solution that keeps the power on. No matter what. Amid power surges, blackouts and whatever else comes your way.

Great Lakes PDUs can maximize your uptime. In traditional environments or the extreme. And our PDUs can be added to your cabinet before it leaves our warehouse.

Did we mention PDUs are made here in the USA? In any configuration you want. Sounds fast, flexible and easy, right? Power. Another way [we rack your world](#).

“Our next generation PDUs protect your data system and maximize uptime.”

Tom Demitras - Director of Automation & Process Improvement



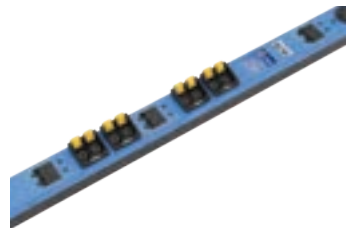
▶ CRITICAL POWER

POWERLOK BayTech®

Made in the USA

NEXT-GENERATION PDUS WITH ADVANCED FEATURES:

- High-density power to 80 amps
- The industry's only scalable switching technology
- The most accurate environmental monitoring
- Slim profile for better vertical mounting



MODULAR FOR AN ENDLESS MIX OF UL/CE CERTIFIED PDUS:

- Choose chassis orientation and receptacle modules
- Modules for outlet and circuit control, metering, and combo receptacles
- Aluminum chassis for improved reliability
- Smart, rackmount PDU options



STANDARD

VERTICAL & HORIZONTAL POWER STRIPS WITH 5-15/20 RECEPTACLES:

- Rack mount PDUs
- 19" EIA with front or front/rear configurations
- Vertical units compatible with cabinets as small as 30"H



UPS

INNOVATIVE UPS PRODUCTS TO ENSURE MAXIMUM UPTIME:

- 99% efficiency with ECO mode, standard on many models
- Up to 30% savings over comparable products
- Industry leading: World's smallest lithium-ion battery
- Capabilities of up to 24 hours of battery runtime



LET OUR PEOPLE, **HELP YOUR PEOPLE!**

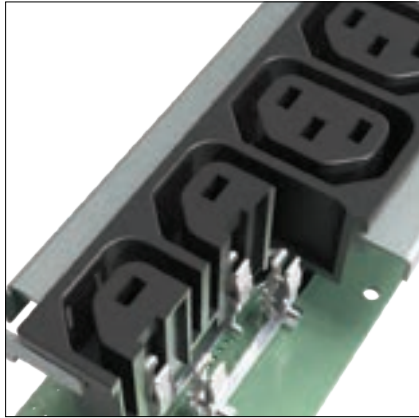
Let Great Lakes install power products prior to shipping: vertical and horizontal PDUs, rack mount UPS products, environmental monitoring sensors connected to PDUs, and specialty items, including conduit boxes, duplex outlets, and more.

▶ POWERLOK POWER

NEXT GENERATION PDUs

SMART ENGINEERING

- Manufactured in the USA using strict quality standards such as AS9100 (aerospace quality system)
- 100% robotically soldered connections from line cord to receptacle—eliminating less reliable terminations
- Independently analyzed to be 3X less likely to fail - find the white paper at GreatCabinets.com



SOLDERED CONNECTIONS

100% Robotically soldered connections reduce potential PDU overheating



LOCKING RECEPTACLES

CordLOK securely keeps cords in place and features easy, single hand insertion & removal

INDUSTRY LEADING

- Slim profile, 2.18"W x 2"D, while maintaining industry leading outlet density
- CORDLOK® to “lock” cords into place without sacrificing outlet density
- Add proprietary SwitchLOK cords to Switched Ready PDUs - add switching if and when needed



EASY INTERFACE

Full touchscreen provides visibility of PDU metrics within 0.5% precision

ADVANCED MONITORING

- .5% monitoring accuracy
- Modern touch screen interface with embedded web server for remote access by IP address
- SNMP communication for easy integration with DCIM packages already in place



ENVIRONMENTAL MONITORING

Use up to 4 EnviroLOK sensors for better visibility & control of cabinet conditions



FAST RESPONSE PDUs IN 1-2 WEEKS

MONITORED PART NO.	BASIC PART NO.	AMPS	VOLTS	POWER	SWITCHED READY PART NO.	PHASE	C13 RECP.	C19 RECP.	PLUG
GL8233M-10C	GL8233B-10C	20A	208/240V	3.3 KW	GL8233S-10C	1PH	32	4	L6-20P
GL8204M-10C	GL8204B-10C	30A	208/240V	5.0 KW	GL8204S-10C	1PH	36	6	L6-30P
GL8303M-10C	GL8303B-10C	30A	120/208V	8.6 KW	GL8303S-10C	3PH	36	6	L21-30P
GL8403M-10C	GL8403B-10C	30A	208/240V	10.0 KW	GL8403S-10C	3PH	36	6	L15-30P
GL8433M-10C	GL8433B-10C	35A	208/240V	11.2 KW	GL8433S-10C	3PH	36	6	CS8365C
GL8507M-10C	GL8433B-10C	50A	208/240V	14.4 KW	GL8507S-10C	3PH	36	6	CS8365C
GL8508M-10C	GL8508B-10C	50A	208/240V	14.4 KW	GL8508S-10C	3PH	24	12	CS8365C
GL8509M-10C	GL8509B-10C	50A	208/240V	14.4 KW	GL8509S-10C	3PH	18	18	CS8365C
GL8607M-10C	GL8607B-10C	60A	208/240V	17.2 KW	GL8607S-10C	3PH	36	6	IEC 309 (IP44)
GL8608M-10C	GL8608B-10C	60A	208/240V	17.2 KW	GL8608S-10C	3PH	24	12	IEC 309 (IP44)
GL8609M-10C	GL8609B-10C	60A	208/240V	17.2 KW	GL8609S-10C	3PH	18	18	IEC 309 (IP44)
GL8703M-10C	GL8703B-10C	20A	240/415V	11.5 KW	GL8703S-10C	3PH	36	12	IEC 309 (IP44)
GL8733M-10C	GL8733B-10C	30A	240/415V	17.2 KW	GL8733S-10C	3PH	30	12	IEC 309 (IP44)

Fast Response Models: 72"H, Carbon color, Cordlok included, 6' or 10' whip (designated in the part number as -06 or -10, respectively). Ready to ship in 1-2 weeks or less; however, quantity of 12+ may require lead time

POWERLOK FEATURES	BASIC	MONITORED	SWITCHED
Slim Profile, 2.18"W x 2"D	X	X	X
Color Options: Carbon, Red, White, Blue	x	x	x
CordLOK	X	X	X
Industry leading power & Outlet density	X	X	X
Buttonless touchscreen with embedded web server		X	X
.5% monitoring accuracy		X	X
Use with EnviroLOK sensors to monitor temperature, etc.		X	X
Scalable switching technology, add switching (if or when needed) to specific receptacles with proprietary SwitchLOK cords			X

1400+ OPTIONS AT GREATCABINETS.COM

▶ BAYTECH POWER

MODULAR, UL LISTED OPTIONS

RELIABLE & ACCURATE

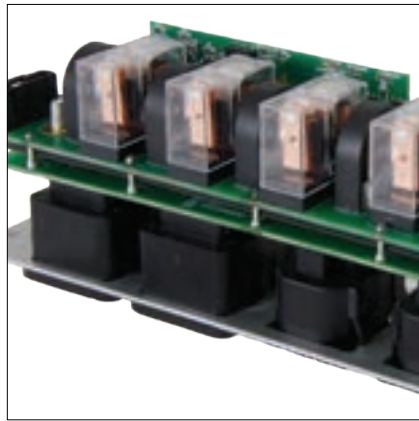
- Precision current sensors provide an accurate measurement
- Aluminum chassis dissipates heat 5 times better than steel, reducing PDU weight and mitigating overheating
- Internal temperature monitoring of all PDUs

USA MANUFACTURING

- Modular PDU options that are UL/CE listed
- Receptacles are securely mounted to a PCB with machine soldered connections
- All internal connections are secured with locking aids

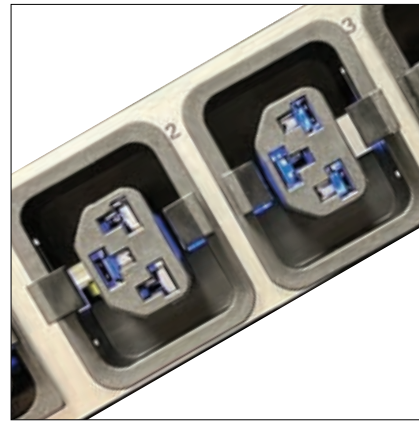
PRODUCT LINEUP

- Modular power distribution with options for multiple levels of monitoring: overall PDU, circuit, outlet, switched, or environmental
- Remote site manager
- Automatic & redundant transfer switch



SOLDERED CONNECTIONS

Receptacles are securely mounted to a PCB, proving to be more reliable than hand-soldered wires



COMBINATION RECEPTACLES

The combo C13/C19 offers a scalable solution that adapts to current and future equipment needs, eliminating compatibility concerns



EASY INTERFACE

Easily monitor input power as well as branch circuit power with the LCD touchscreen display



ENVIRONMENTAL MONITORING

Monitor environmental conditions with two built-in sensor ports

▶ STANDARD POWER

Part No. Description

STANDARD POWER STRIPS, VERTICAL MOUNTING

UL Listed; 15' cord

Note: 15 amp, derated 12 amp; 20 amp, derated 16 amp; 30 amp, derated 24 amp

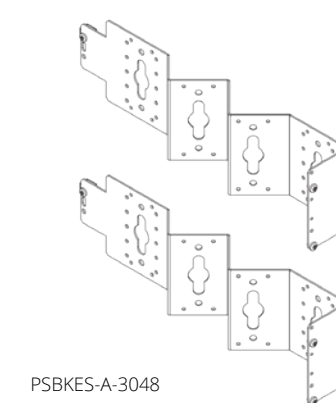
7215	16 receptacles, 5-15R receptacle, 5-15P, 15 amp, 125V
7215-S	16 receptacles, 5-15R receptacle, 5-15P, 15 amp, 125V, surge suppressor
7215-20ARTLP	16 receptacles, 5-20R receptacle, L5-20P, 20 amp, 125V
7215-20AR	16 receptacles, 5-20R receptacle, 5-20P, 20 amp, 125V
7215-30A	24 receptacles, 5-20R receptacle, L5-30P, 30 amp, 125V
7218-24	8 receptacles, 5-15R receptacle, 5-15P, 15 amp, 125V

Part No. Description

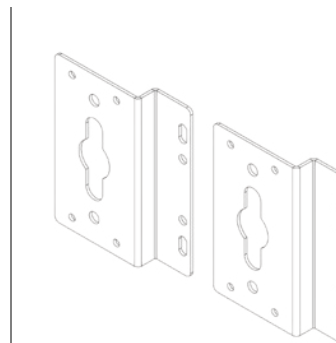
STANDARD POWER STRIPS, 19" MOUNTING

UL Listed, 15' cord; Note: 15 amp, derated 12 amp; 20 amp, derated 16 amp

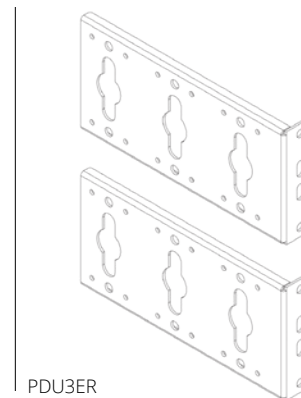
7219	6 receptacles, 5-15R receptacle, 5-15P plug, 15 amp, 125V
7219-SR14	6 front/8 back receptacles, 5-15R receptacle, 5-15P plug, 15 amp, 125V, surge suppressor
7219-20AR	6 receptacles, 5-20R receptacle, 5-20P plug, 20 amp, 125V
7219-20ARTLP	6 receptacles, 5-20R, L5-20P plug, 20 amp, 125V



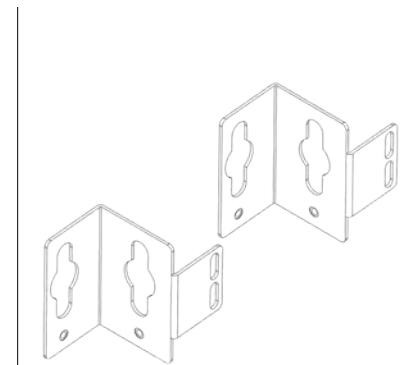
PSBKES-A-3048



PSBKE



PDU3ER



PSBGLRR-B

Part No. Description

PDU MOUNTING BRACKETS & BARS

PSBKES-R-30	One pair of brackets to vertically mount one PDU; attaches to FMP of rear rail face of 30/32"W ES cabinets
PSBKES-A-3042	One pair of brackets to vertically mount two PDUs at an angle; installs in rear corner of 30"W x 42"D ES cabinets
PSBKES-A-3048	One pair of brackets to vertically mount four PDUs at an angle; installs in rear corner of 30"W x 48"D ES cabinets
PSBKES-F30	Two pair of brackets to vertically mount a single PDU in each front corner of 30"W ES cabinets
PSBKE	One pair of brackets to vertically mount one PDU in rear corner of any E cabinet
PDU2ER	One pair of brackets to vertically mount two PDUs; installs to FMP on side of rack channels of CMRX, CMR, VRX racks
PDU3ER	One pair of brackets to vertically mount three PDUs; installs to FMP on side of rack channels of CMRX, CMR, VRX racks
VPCB1	Vertical power/cable bar to button mount one PDU on CMRX, CMR, VRX racks
PSBGLRR-B	One pair of brackets to vertically button mount one PDU on 2 and 4 Post Racks
PSBGLRR	One pair of brackets to vertically mount one standard power strip (e.g. 7215) on 2 and 4 Post Racks
VCT79L	Vertical PDU/cable management rail to button mount two PDUs in 79"L cabinets
VCT91L	Vertical PDU/cable management rail to button mount two PDUs in 91"L cabinets
VCB-xxEZ	Vertical PDU/cable bar (2.2"W) to button mount one PDU in EZ; replace 'xx' with cabinet RMU (52, 48, 45, 42)
VCBDW-xxEZ	Vertical PDU/cable bar (4.4"W) to button mount two PDUs in EZ; replace 'xx' with cabinet RMU (52, 48, 45, 42)

▶ UPS BACKUP BATTERY

POWER PROTECTION FOR CRITICAL SYSTEMS

STANDBY

- Up to 10 millisecond transfer time from utility power to battery power
- Slim profile with brackets to mount to multiple surfaces in discrete locations
- Lithium battery provides high temperature performance with long term reliability



SLIM FORM FACTOR

Compact lithium Standby UPS ideal for wall mounts and personal workstations



ADVANCED LITHIUM-ION

Improved technology (over lead acid) for longer lifespan, longer runtime, higher temperature tolerance, and faster discharge

LINE INTERACTIVE

- Up to 4 millisecond transfer time from utility power to battery power
- Protects against surges without utilizing the battery so that battery power is at maximum capacity when utility power fails
- Efficient, midrange power protection



SCALABLE LEAD ACID

Add external batteries to lead acid UPS products for increased runtime



MONITOR & MANAGE

Add optional SNMP Web Card for real-time monitoring and control of remotely connected UPS units

ONLINE

- ZERO millisecond transfer time from utility power to battery power
- UPS isolates incoming utility power and "corrects" it so that stable, consistent power is available
- Ensures power from the battery is steady and unchanged when utility power is lost



STANDBY LITHIUM ION

Configuration Options: Monitoring with SNMP Web Card (600VA only)

UPS SERIES	CAPACITY VA	CAPACITY WATTS	INPUT PLUG	NOMINAL INPUT VOLTAGE	OUTPUT RECP.	RUNTIME AT 100% LOAD	RUNTIME AT 50% LOAD	EXTERNAL BATTERY OPTION
STLI-035A-120	350VA	200W	C14 Inlet to 5-15P	120V	(3) 5-15R	7 min	15 min	NA
STLI-035A-230	350VA	200W	C14	200-240V	(2) IEC C1	7 min	15 min	NA
STLI-060A-120	600VA	360W	C14 Inlet to 5-15P	120V	(3) 5-20R	6 min	15 min	NA
STLI-060A-230	600VA	360W	C14	200-240V	(2) IEC C13	6 min	15 min	NA

LINE INTERACTIVE LEAD ACID

Configuration Options: External battery packs (quantity 2), Monitoring with SNMP Web Card, Bypass Module, and EIA Mounting Brackets

UPS SERIES	CAPACITY VA	CAPACITY WATTS	INPUT PLUG	NOMINAL INPUT VOLTAGE	OUTPUT RECP.	RUNTIME AT 100% LOAD	RUNTIME AT 50% LOAD	EXTERNAL BATTERY OPTION	RUNTIME WITH MAX BATTERIES AT 50% LOAD
LILA-080A-120	800VA	720W	5-15P	120V	(8) 5-15R	4 min	11 min	NA	-
LILA-110A-120	1100VA	990W	5-15P	120V	(8) 5-15R	3 min	11 min	N	-
LILA-150A-120	1500VA	1350W	5-15P	120V	(8) 5-15R	4 min	12 min	Y, max 2	102 min
LILA-200A-120	2000VA	1800W	5-20P	120V	(8) 5-20R	4 min	12 min	Y, max 2	97 min
LILA-220A-120	2200VA	2000W	5-20P	120V	(8) 5-20R	4 min	12 min	Y, max 2	104 min
LILA-300A-120	3000VA	2700W	L5-30P	120V	(8) 5-20R	4 min	12 min	Y, max 2	97 min
LILA-300B-120	3000VA	2700W	L5-30P	120V	(6) 5-20R + (1) L5-30R	4 min	12 min	Y, max 2	97 min
LILA-300A-240	3000VA	2700W	L6-20P	240V	(1) C19 + (8) C13	3 min	8 min	Y, max 2	66 min
LILA-500A-240	5000VA	4500W	L6-30P	240V	(1) L6-30R + (4) C19	2 min	5 min	Y, max 2	45 min
LILA-500B-240	5000VA	4500W	L6-30P	240V	(2) L6-30R + (2) L6-20R + (12) 5-15/20R	2 min	5 min	Y, max 2	45 min

CREATE A CONFIGURED UPS AT GREATCABINETS.COM

▶ UPS BACKUP BATTERY

ONLINE LITHIUM ION

Configuration Options: Monitoring with SNMP Web Card, Bypass Module, and EIA Mounting Brackets

UPS SERIES	CAPACITY VA	CAPACITY WATTS	INPUT PLUG	NOMINAL INPUT VOLTAGE	OUTPUT RECP.	RUNTIME AT 100% LOAD	RUNTIME AT 50% LOAD	EXTERNAL BATTERY OPTION
ONLI-150A-120	1500VA	1350W	5-15P	120V	(8) 5-15R	8 minutes	19 minutes	N
ONLI-150A-240	1500VA	1350W	L6-20P	200-240V	(8) IEC C13	8 minutes	19 minutes	N
ONLI-200A-120	2000VA	1800W	5-20P	120V	(8) 5-20R	14 minutes	30 minutes	N
ONLI-200A-240	2000VA	1800W	L6-20P	200-240V	(8) IEC C13	14 minutes	30 minutes	N
ONLI-300A-120	3000VA	2700W	L5-30P	120V	(1) L5-30R + (6) 5-20R	11 minutes	23 minutes	N
ONLI-300A-240	3000VA	2700W	L6-20P	200-240V	(1) IEC C19 + (8) IEC C13	11 minutes	23 minutes	N

ONLINE LEAD ACID

Configuration Options: External battery packs (configuration on the website allows up to 4 battery packs; however, additional units can be added), Monitoring with SNMP Web Card, Bypass Module, and EIA Mounting Brackets

UPS SERIES	CAPACITY VA	CAPACITY WATTS	INPUT PLUG	NOMINAL INPUT VOLTAGE	OUTPUT RECP.	RUNTIME AT 100% LOAD	RUNTIME AT 50% LOAD	EXTERNAL BATTERY OPTION	RUNTIME WITH MAX BATTERIES AT 50% LOAD
ONLA-100A-120	1000VA	800W	5-15P	120V	(3) 5-15R	8 min	20 min	N	-
ONLA-100B-120	1000VA	1000W	5-15P	120V	(8) 5-15R	3 min	6 min	N	-
ONLA-100A-240	1000VA	800W	L6-20P	200-240V	(3) C13	8 min	20 min	N	-
ONLA-150A-120	1500VA	1450W	5-15P	120V	(8) 5-15R	3 min	6 min	Y, max 7	289 min
ONLA-150A-240	1500VA	1500W	L6-20P	200-240V	(8) IEC C13	3 min	10 min	Y, max 8	339 min
ONLA-200A-120	2000VA	1930W	5-20P	120V	(8) 5-20R	3 min	6 min	Y, max 7	290 min
ONLA-200A-240	2000VA	2000W	L6-20P	200-240V	(8) IEC C13	3 min	10 min	Y, max 8	340 min
ONLA-300A-120	3000VA	2880W	L5-30P	120V	(1) L5-30R + (6) 5-20R	3 min	6 min	Y, max 7	292 min
ONLA-300A-240	3000VA	3000W	L6-20P	200-240V	(1) IEC C19 + (8) IEC C13	3 min	10 min	Y, max 8	343 min

CREATE A CONFIGURED UPS AT GREATCABINETS.COM

RACK MOUNT PRODUCTS

CUSTOMIZE. WITH A CAPITAL C.

Go ahead and put us to the test. Find the product you need and then make it your own.

Fill every rack space with a shelf, cable manager, or power strip. Mount that bus bar exactly where you want it. Frankly, mix and match any way you see fit.

We call it STACK--integrating to your exact configurations. And because our metal accessories are made here in the USA, we have the pieces and parts so your configured cabinet is still ready to ship in two days or less.

STACK your rack...another way **we rack your world.**

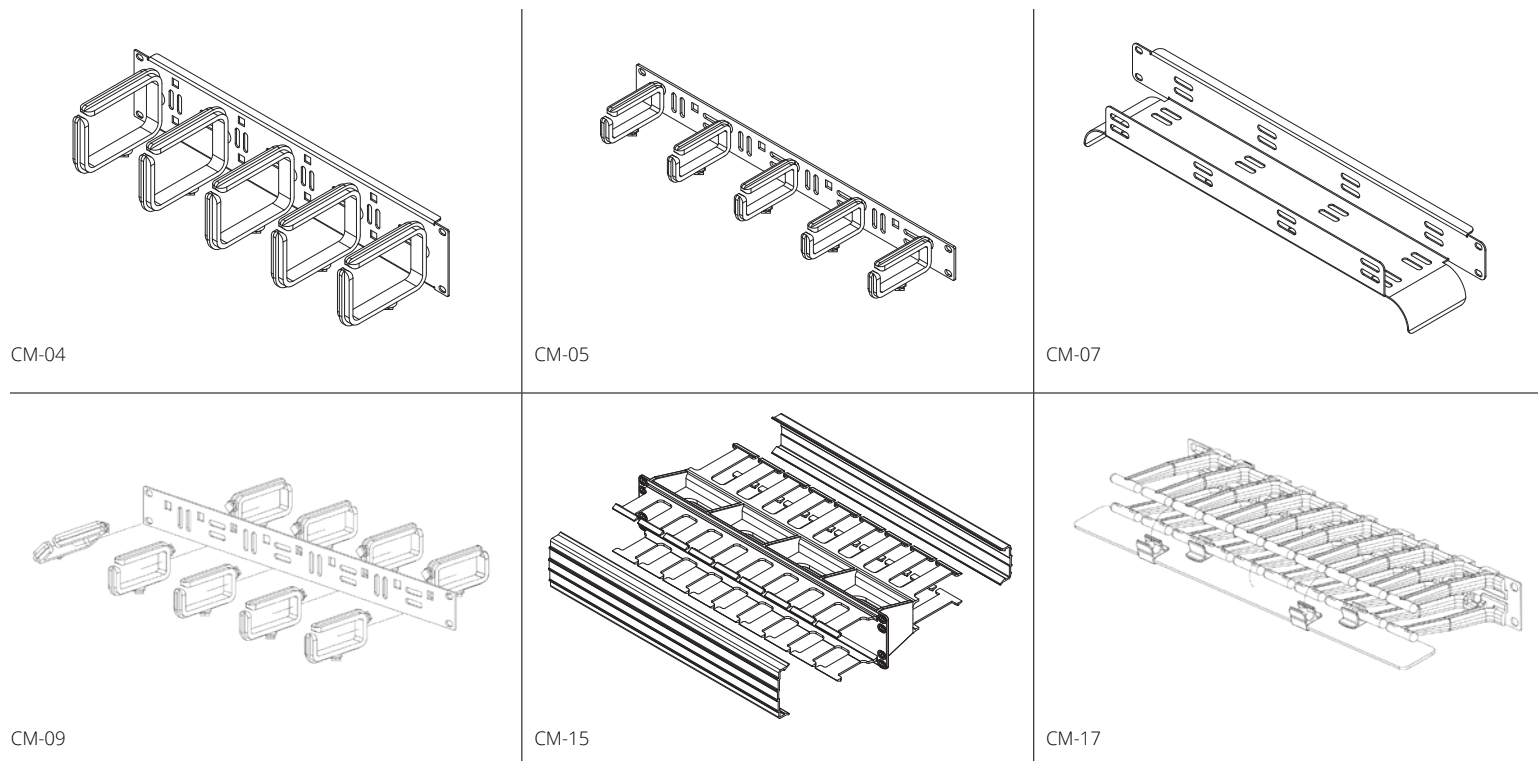
"It's true, we can STACK our products to your specific needs."

Bill Santucci - Director of Product Development



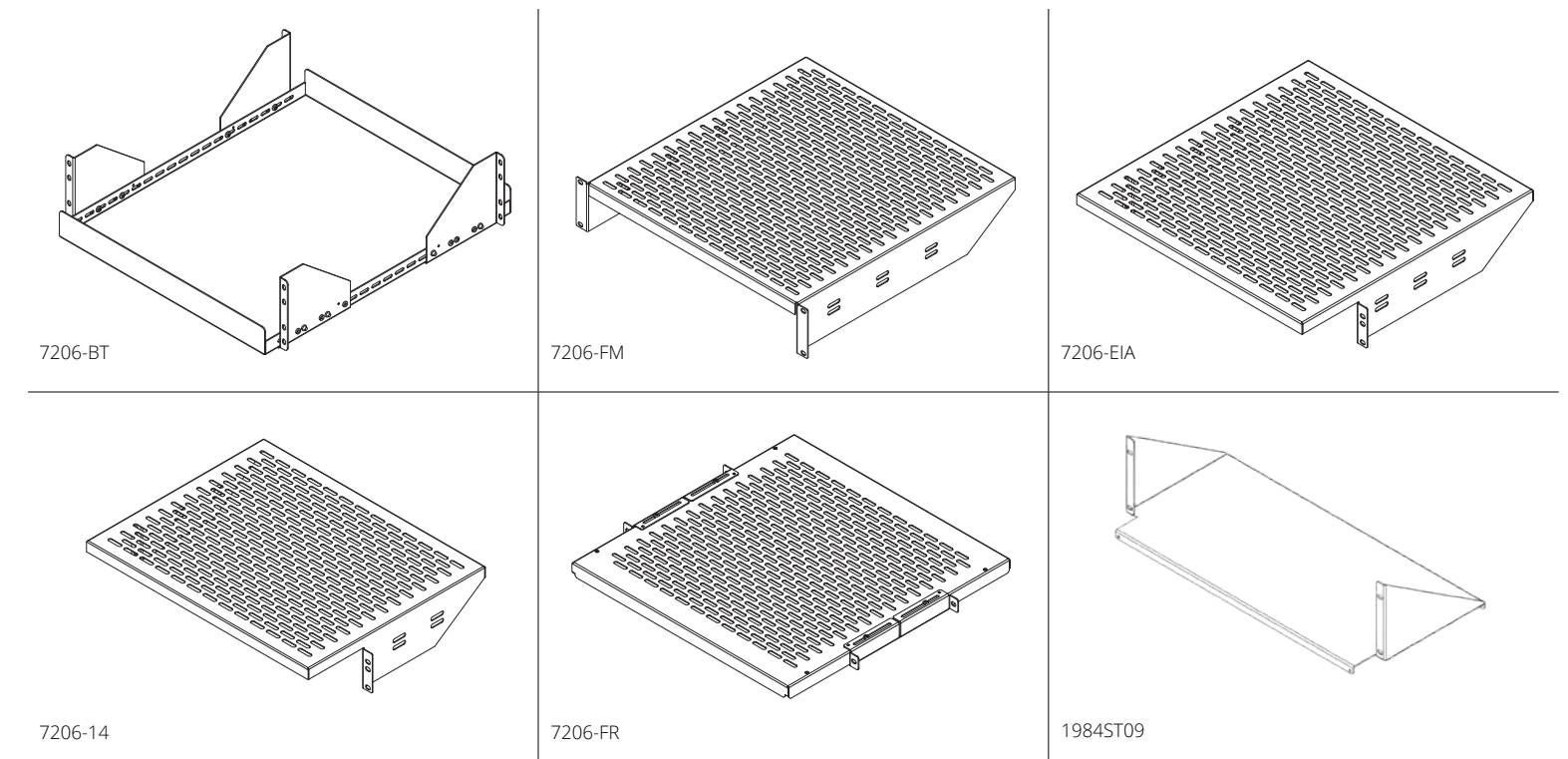
CABLE ORGANIZERS

Part No.	Description
19" HORIZONTAL CABLE ORGANIZERS	
CM-04	Cable organizer with five 3.5" x 5" 1/4 turn "D" rings (metal panel, plastic rings), 2 RMU
CM-05	Cable organizer with five 1.5" x 3.5" 1/4 turn "D" rings (metal panel, plastic rings), 1 RMU
CM-07	Waterfall cable organizer (metal), 1 RMU
CM-09	Double-sided, cable organizer, four front horizontal and five rear vertical rings, 1.5"W x 3.5"D (metal panel, plastic rings), 1 RMU
CM-15	Double-sided, cable organizer with fingers and covers; front channel, 3" x 3"; rear channel 1.5" x 3" (plastic); 2 RMU required for mounting
CM-16	Single-sided, cable organizer with fingers and cover (plastic), 1 RMU
CM-17	Single-sided, cable organizer with fingers and covers (plastic), 2 RMU
CM-27	Single-sided, cable organizer with 4"D fingers and hinged cover (metal panel and cove, plastic fingers), 1 RMU
CM-28	Single-sided, cable organizer with 4"D fingers and hinged cover (metal panel and cover, plastic fingers), 2 RMU



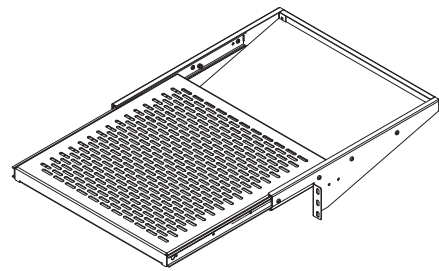
SHELVES

Part No.	Description
19" STATIONARY SHELVES	
7206-BT	17"W x 20.75"D; weight capacity 300 lbs.; 3 RMU; max tab placement 25.25"
7206-FM	17.25"W x 18"D; weight capacity 60 lbs.; 2 RMU
7206-EIA	17.5"W x 18"D; weight capacity 80 lbs.; 2 RMU
7206-14	17.5"W x 14"D; weight capacity 80 lbs.; 2 RMU
7206-FR-A18	17.5"W x 18"D; weight capacity 150 lbs.; 1 RMU; max tab placement 21.5"
7206-FR-AHD	17.5"W x 22.25"D; weight capacity 200 lbs.; 1 RMU; max tab placement 26.125"
7206-FR-ADHD	17.5"W x 27.25"D; weight capacity 150 lbs.; 1 RMU; max tab placement 32.25"
7206-FR-A28HD	17.5"W x 28"D; weight capacity 300 lbs.; 1 RMU; max tab placement 30.18"
7206-FR-A32HD	17.5"W x 32"D; weight capacity 300 lbs.; 1 RMU; max tab placement 36"
1984ST09	19"W x 9"D; weight capacity 75 lbs.; 3 RMU; use with 2 and 4 Post Racks
1984ST15	19"W x 15"D; weight capacity 75 lbs.; 3 RMU; use with 2 and 4 Post Racks

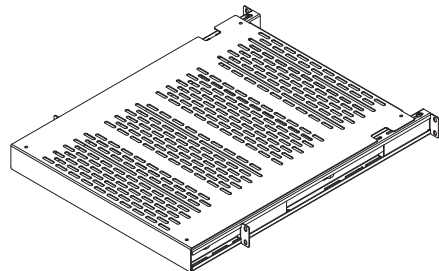


SHELVES

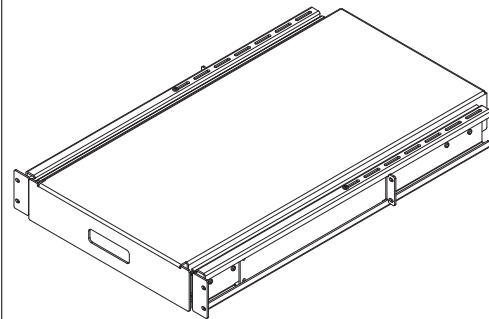
Part No.	Description
19" SLIDING SHELVES	
7206-SL	16.343"W x 17.5"D; weight capacity 40 lbs.; 3 RMU
7206-FRSL-AHD	17.5"W x 22"D; weight capacity 110 lbs.; 2 RMU; max tab placement 26.125"
7206-FRSL-ADHD	17.5"W x 26"D; weight capacity 110 lbs.; 2 RMU; max tab placement 32.125"
7206-FRSLA300	14.33"W x 30"D; weight capacity 300 lbs.; 2 RMU; max tab placement 36.12"
SPECIALTY SHELVES	
7206-PKB-MT	Sliding keyboard, mouse shelf; 20.625"W x 9.5"D; weight capacity 110 lbs.; 3 RMU, max tab placement 36.12"
7206-MKM	Monitor; keyboard, mouse shelf; 17"W x 24"D; weight capacity 200 lbs.; 2 RMU max tab placement 36.12"
7206-DR	Pull-out drawer; 16"W x 18.875"D; weight capacity 100 lbs.; 4 RMU; max tab placement 25.50"



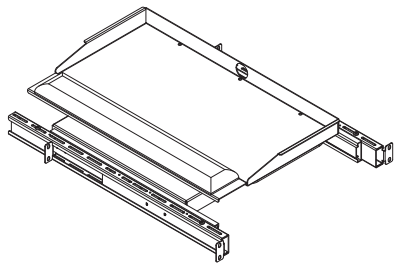
7206-SL



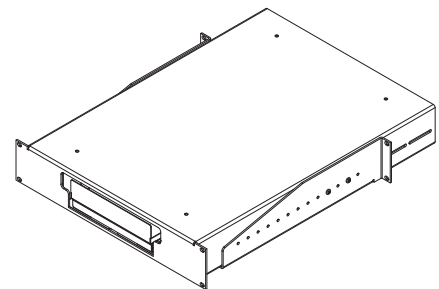
7206-FRSL



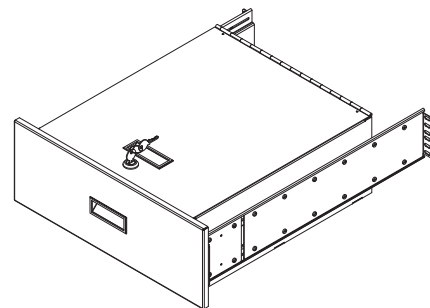
7206-FRSLA300



7206-PKB-MT



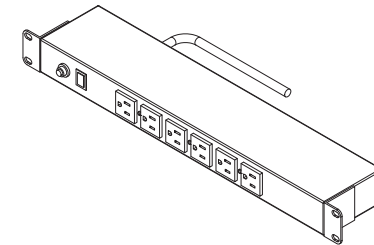
7206-MKM



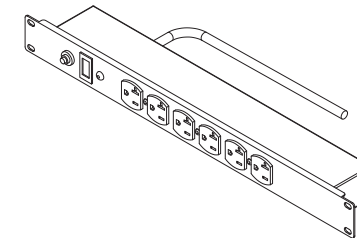
7206-DR

STANDARD POWER

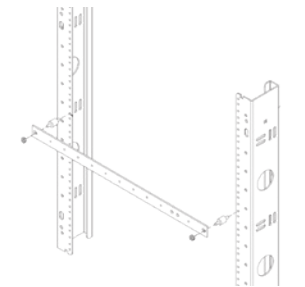
Part No.	Description
19" POWER STRIPS & BUS BAR	
7219	6 position power strip, 5-15R receptacle and 5-15P plug, 15 amp (derated 12 amp), 125 Volt, circuit breaker, 15' cord, UL
7219-SR14	14 position (6 front/8 back) power strip with surge suppressor, 5-15R receptacle and 5-15P plug, 15 amp (derated 12 amp) 125 Volt, circuit breaker, 15' cord, UL
7219-20AR	6 position power strip, 20 amp (derated 16 amp), 5-20R receptacle and 5-20P plug, 125 Volt, circuit breaker, 15' cord, UL
CBB-19	Copper bus bar, ten #10-32 mounting holes
CBB-19THBL	Copper bus bar, twenty #10-32 mounting holes, accepts two-hole barrel lugs



7219



7219-20AR



CBB-19

FILLER PANELS

Part No.	Description
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TOOL-LESS METAL FILLER PANELS FOR 19" MOUNTING, USE WITH 3/8" SQ. (M6) RAILS

1.75-FPTL19	1 RMU, 1.75"H
3.50-FPTL19	2 RMU, 3.5"H
5.25-FPTL19	3 RMU, 5.25"H
7.00-FPTL19	4 RMU, 7.0"H
8.75-FPTL19	5 RMU, 8.75"H
14.00-FPTL19	8 RMU, 14.0"H

METAL FILLER PANELS FOR 19" MOUNTING

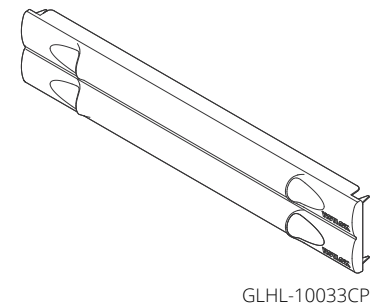
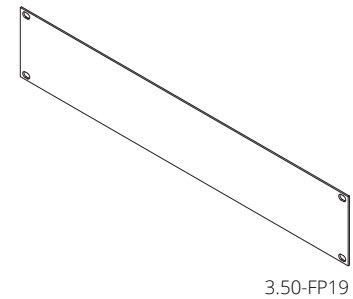
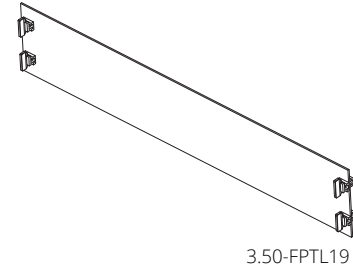
1.75-FP19	1 RMU, 1.75"H
3.50-FP19	2 RMU, 3.5"H
5.25-FP19	3 RMU, 5.25"H
7.00-FP19	4 RMU, 7.0"H
8.75-FP19	5 RMU, 8.75"H
14.00-FP19	8 RMU, 14.0"H

PLASTIC SNAP-IN FILLER PANELS FOR 19" MOUNTING

GLHL10031CP	1 RMU, black panels, pack of 10
GLHL10114CP	1 RMU, white panels, pack of 10
GLHL10035CP	1 RMU, black panels with temp. strip, pack of 10
GLHL10033CP	2 RMU, black panels, pack of 5
GLHL10115CP	2 RMU, white panels, pack of 5
GLHL10038CP	2 RMU, black panels with temp. strip, pack of 5
GLHL10009CP	Adhesive temperature strip, pack of 10

FILLER PANEL WITH BRUSH GROMMET FOR 19" MOUNTING

1.75FP19BG	1 RMU with brush to allow cable pass-thru
3.50FP19BG	2 RMU with brush to allow cable pass-thru



POLICIES

EASY DOES IT... EVEN WITH OUR POLICIES.

No one likes to read through the fine print called Policies. But rest assured, what we've outlined is designed to make your life easier.

Use our freight handling service and get free replacement on any damaged order. Decide you no longer need what you ordered and get a hassle-free credit (minus a minimal re-stocking fee). Plus, there's always a one-year warranty on all Great Lakes manufactured products.

And if you ever have any questions about what's what, just call us. Between Pennsylvania and Reno, we're available from 8 a.m. to 8 p.m. EST. Just another way **we rack your world.**

"Fast, flexible and easy also applies to our customer policies. We strive to respond to your inquiries quickly."

Lucy Bonilla - Inside Sales



POLICIES

STANDARD TERMS AND CONDITIONS

(the "Terms and Conditions"), along with the terms and conditions set forth in any executed purchase order form (the "Order") between you (the "Customer" or "you") and GREAT LAKES CASE & CABINET CO., INC., a Pennsylvania corporation ("GLCC"), constitute a binding agreement (the "Contract") and govern the contractual relationship and obligations between you and GLCC for the products (the "Products") described herein and in the that certain quotation issued to you by GLCC (the "Quote").

1. APPLICATION, QUOTATIONS AND ACCEPTANCE

These terms and conditions shall govern and be incorporated in every Contract made by or on behalf of GLCC with the Customer and shall prevail over any supplemental, inconsistent or conflicting terms or conditions contained or referred to in any documentation submitted by the Customer, including the Customer's own Order, for in correspondence or elsewhere or implied by trade, custom, practice, course of dealing, or usage in the trade. Acceptance by the Customer of delivery of the Products shall constitute unqualified acceptance of these terms and conditions. A variation of these conditions is valid only if it is in writing, if it is signed by an authorized representative of GLCC, and if GLCC accepts the Customer's Order. Unless otherwise expressly stated in the Quote, a Quote does not constitute an offer and GLCC may withdraw or revise a quotation at any time before accepting the Customer's Order. GLCC's acceptance of any Order from the Customer shall be effective only where such acceptance is in writing and signed by an authorized representative of GLCC. In addition, GLCC's "General Policies" are incorporated into this Contract by reference, which can be reviewed at <https://greatcabinets.com/policies/>

2. PRICE

The prices payable for the Products are as listed in the Quote in conjunction with GLCC acceptance of the Customer's Order. GLCC may, at any time prior to delivery of the Products, revise prices to take account of increases in its own costs including, without limitation, the costs of any materials, carriage, labor or overheads, the increase or imposition of any tax, duty or other levy, and any variation in exchange rates. Unless otherwise specified, any tax or duty assessed on the sale of Products shall be added to the price, and packaging, freight and insurance shall be charged additionally.

3. PAYMENT

Payment of invoices shall be made in full within thirty (30) days of invoice. Time shall be of the essence of payment. All payments must be in United States dollars. GLCC may suspend the supply of Products to the Customer where any amounts are overdue under any Contract until all such amounts have been paid. Interest is payable on overdue accounts at the rate of one and one half percent (1.5%), compounded monthly, until paid in full. Past due accounts beyond sixty (60) days are subject to credit hold. If either party seeks legal recourse to impose its rights hereunder, the prevailing party shall be entitled to recover a reasonable amount of its legal costs, including attorney's fees. If, in GLCC's opinion, the Customer's creditworthiness deteriorates before delivery of the Products, GLCC may

require full or partial payment prior to delivery, or GLCC may require the provision of security by the Customer in a form acceptable to GLCC. Notwithstanding any contrary act of the Customer, all payments made by the Customer to GLCC shall be applied first to any Products which the Customer has resold and then to Products which remain in the possession or under the control of the Customer.

4. TITLE AND RISK

Risk of loss passes on delivery of the Products. Notwithstanding delivery and passing of risk, the Products remain the property of GLCC until the Customer pays to GLCC the agreed price for the Products (together with any accrued interest) and any other sums whatever is due from the Customer to GLCC. Until title to the Products passes to the Customer, the Customer shall hold the Products on a fiduciary basis and shall not part with possession of the Products otherwise than in the ordinary course of business, shall take proper care of the Products and take all reasonable steps to prevent damage to or deterioration of them, shall keep the Products free from any charge, lien or other encumbrance, and shall segregate the Products in such a way as to show clearly that they belong to GLCC. From delivery until title to the Products passes to the Customer, the Customer shall insure the Products for their full value with a reputable insurer and, upon request, shall use reasonable endeavors to have GLCC interest in the Products noted on the insurance policy. Until the title to the Products passes to the Customer, the Customer shall hold the proceeds of any claim on the insurance policy in trust for GLCC and shall immediately account to GLCC with the proceeds. GLCC reserves the right to repossess and resell any of the Products for which GLCC has not been paid in full. The Customer hereby grants to GLCC a purchase money security interest in all Products sold hereunder until such time as payment is made in full for the Products. The security interest applies not only to the Products purchased, but also to the proceeds of sale of the Products. The Customer shall take all reasonable steps and cooperate with GLCC in perfecting GLCC security interest in the Products.

5. DELIVERY

Any delivery date given by GLCC is approximate only and, unless specifically provided in the Quote, GLCC shall not be liable to the Customer for failure to deliver on any particular date or dates. Time for delivery is not of the essence and shall not be made so by the service of any notice. Delivery shall be F.O.B. GLCC's location unless otherwise agreed by GLCC. If the Customer refuses or fails to take delivery of Products tendered in accordance with the Contract, GLCC may terminate the Contract, may dispose of the Products as it sees fit and may recover from the Customer any loss and additional costs incurred as a result of such refusal or failure (including, without limitation, storage costs from the due date of delivery). Unless agreed otherwise by GLCC in writing, the Products may be delivered in installments and each such installment shall be treated as a separate Contract. Unless otherwise set forth in the Quote, GLCC shall deliver the Products in full truckloads, and any partial truckloads may incur additional cost and expense to the Customer. The Customer shall pay for the actual quantity delivered.

6. FORCE MAJEURE

If GLCC is prevented, hindered or delayed from or in supplying the Products in accordance with these conditions by any event or circumstance beyond the reasonable control of GLCC (including, without limitation, acts of God, war, mobilization, civil commissions, riots, embargoes, pandemics, fires, floods, domestic or foreign governmental regulations or orders, strikes, lockouts and industrial disputes relating to GLCC workforce, or shortages of or inability to obtain shipping space or transportation), then GLCC may at its option suspend deliveries while such event or circumstance continues, apportion available stocks between its customers as it decides, and terminate any contract so affected with immediate effect by written notice to the Customer.

7. PACKAGING MATERIALS

The Customer shall pay the cost of any special packaging which it may request which may be necessitated by delivery by any means other than GLCC ordinary means of delivery. GLCC is entitled to invoice the Customer for the cost of all pallets and of returnable packaging materials unless they are returned to GLCC at the Customer's expense in good condition within seven (7) days of the date of delivery.

8. TERMINATION; EFFECT OF TERMINATION

In the event Customer becomes insolvent, is adjudicated bankrupt, files a voluntary petition in bankruptcy, has a receiver appointed for it, makes an assignment for the benefit of creditors, is subject to filing of an involuntary petition in bankruptcy which is not discharged within thirty (30) days after filing, or takes any action or is subject to any action equivalent to any of the foregoing, then, to the extent permitted by law, GLCC shall have the right, at its option, at any time thereafter, to terminate the Order and Contract and its obligations hereunder by giving Customer written notice thereof. Also, if the Customer violates, or is officially charged with a violation of any law, regulation or ordinance which may govern the sale, handling or disposition of any of the Products, then GLCC may, at its sole discretion, terminate the Order and Contract and may refuse to make any further deliveries. In the event that any additional customs duty or tariff shall be imposed between the date hereof and the date of arrival at the appropriate point of entry or location for Customer, GLCC shall have the right to terminate the Order and the Contract and any further deliveries thereunder, unless the Customer shall pay such additional duties or tariffs. The parties agree and acknowledge that, in consideration of the pricing established in the Quote and upon termination of the Contract for any reason and/or cancellation of future deliveries of the Products, then the Customer shall be responsible for and immediately pay to and reimburse GLCC for: (i) the entire cost and expense of GLCC inventory of finished Products on hand at the then-prevailing prices; (ii) the remaining unamortized design costs for packaging materials and packaging development expenses incurred by GLCC based on the terms of the Contract and Quote for the volume of Products expected and requested; and (iii) the entire cost and expense of GLCC inventory of packaging materials on hand at the then-prevailing pro rate share of the price of the Products applicable thereto.

9. LIABILITY

GLCC is not liable (and shall not be liable) to the Customer for late delivery, for incorrect quantities, for defects in the Products caused by normal wear and tear, or unsuitable conditions of storage or use; nor shall GLCC be liable for any act, neglect or default of the Customer unless the Customer notifies GLCC within seventy-two (72) hours of delivery. If such notice is given, GLCC only obligation is (at its option) to make good any shortage or non-delivery, to replace or repair any Products found to be damaged or defective, or to refund to the Customer the amount paid by the Customer for the Products that are the subject of such claim. IN NO EVENT, EXCEPT AS EXPRESSLY SET FORTH HEREIN, SHALL GLCC BE LIABLE TO CUSTOMER OR ANY THIRD PARTY (INCLUDING WITHOUT LIMITATION CUSTOMER'S CLIENTS) FOR ANY SPECIAL, CONSEQUENTIAL, EXEMPLARY OR INCIDENTAL DAMAGES, INCLUDING CLAIMS FOR LOST PROFITS, ARISING FROM THE PRODUCTS HEREUNDER, EVEN IF GLCC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. CUSTOMER AGREES THAT GLCC WILL NOT BE LIABLE FOR ANY CLAIM OR DEMAND AGAINST CUSTOMER BY ANY OTHER PARTY. GLCC AGGREGATE LIABILITY TO THE CUSTOMER, WHETHER FOR NEGLIGENCE, BREACH OF CONTRACT, MISREPRESENTATION OR OTHERWISE, SHALL IN NO CIRCUMSTANCES EXCEED THE PURCHASE PRICE OF THE PRODUCTS AS DETERMINED BY THE NET PRICE INVOICED TO THE CUSTOMER WITH RESPECT OF ANY OCCURRENCE OR SERIES OF OCCURRENCES.

10. WARRANTIES

GLCC warrants that the Products sold under this Contract will conform in all material respects with the specifications provided by the Customer. GLCC warrants that its Products are free from defects in material and workmanship for a period of one (1) year from date of shipment to Customer. If within that period of time, Products shall be determined defective, these Products should be replaced or repaired at GLCC's option. The Products must be handled, installed and shipped according to industry standards for metal fabrication and solid state electronic equipment. Claims under these Terms and Conditions must be made by the Customer. For clarity, electrical components of Products provided by GLCC are warranted for a period of one (1) year from date of shipment, which applies to all power strips, fan assemblies and blower units. Under no circumstances, however, will GLCC be held responsible for any amount beyond the price of the Product or any unauthorized "field" repair. Such correction or replacement of defective Products shall constitute a fulfillment of all liabilities in respect to such Products. It is the intent of the parties to fully and completely state the rights and obligations of the parties in this Contract, and GLCC has specifically set forth in this Contract the extent and nature of the warranty on the Products to be sold and there are no other warranties or representations with respect to the nature or quality of the Products. It is expressly understood that the liability of GLCC will be limited to the replacement and repair of the Products, pursuant to the procedure in Section 11 below. Any other warranty is agreed to be inconsistent with the stated warranty, and it is the intent of the parties hereto to specifically DISCLAIM THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. GLCC is not liable to the Customer for any loss, (continued)

▶ POLICIES

damage or injury, direct or indirect, resulting from defects in design, materials or workmanship or otherwise caused, however, arising (and whether or not caused by the negligence of GLCC, its employees or agents). GLCC is not liable for any indirect or consequential losses or expenses suffered by the Customer, however caused, and including, without limitation, loss of anticipated profits, goodwill, reputation, business receipts or contracts, or losses or expenses resulting from third party claims.

11. RETURN AND REPAIR PROCEDURE

Products being returned for repair or replacement must have prior approval and an assigned "RMA" number. The RMA number must appear on all packages, which should be shipped collect to:

Great Lakes Case & Cabinet Co., Inc.
4193 Route 6N East Edinboro,
PA 16412
RMA No. _____

Products being returned due to reasons other than normal repair or replacement will be subject to a restocking charge. The restocking charge does not release the customer from the responsibility of proper packaging and return of the product in reusable condition. Products held by Customer in excess of thirty (30) days may not be returned for credit. The return must have an RMA assigned and are the responsibility of the customer to return to GLCC. Notwithstanding the foregoing, any Products that are special customized cabinets or cases that have an associated engineering drawing approved by the Customer shall not be returned to GLCC, except for modifications or repair of damages.

12. THIRD PARTY PRODUCTS

Certain third-party products offered by GLCC are not covered by its warranty set forth in Section 10 above. Please contact inside sales of GLCC to obtain information about manufacturer warranties and terms (which may not be assignable).

13. EXPORT SALES

If the Products are sold C.I.F. or F.O.B. or on the basis of other international trade terms, the meaning given to such terms shall be those in the Pennsylvania Commercial Code from time to time applied unless inconsistent with any of the provisions in these conditions.

14. LICENSES AND CONSENTS

If a license or consent of any third party (including, without limitation, any governmental or other authority) is required in connection with the Customer's purchase or use of the Products, the Customer shall obtain the license or consent at its own expense and produce evidence of it to GLCC on demand. Failure to obtain any license or consent does not entitle the Customer to withhold or delay payment hereunder. Any additional expenses or charges incurred by GLCC resulting from such failure shall be paid by the Customer.

15. CONFIDENTIALITY

Each of the parties hereto commits, promises and undertakes to the other to keep confidential all information (written or oral) concerning the business and affairs of the other that it shall have obtained as a result of the discussions leading up to or the entering into or implementation of this Contract, or which it may have learned during the term of this Contract, other than information which is already in its possession other than as a result of a breach of this clause, and in the public domain other than as a result of a breach of this clause. Each of the parties commits, promises, and undertakes to the other to take all such steps as shall be necessary from time to time to ensure compliance with the provisions of this clause by its employees, agents and subcontractors and other companies within its group of companies.

16. ASSIGNMENT

The Customer may not assign or transfer, or purpose to assign or transfer, any of its rights or obligations under a Contract without GLCC prior written consent.

17. GOVERNING LAW AND JURISDICTION; ARBITRATION

These Terms and Conditions and any Contract made under them shall be governed by and construed in accordance with the internal laws of the Commonwealth of Pennsylvania, and the state and federal courts of the Commonwealth of Pennsylvania, Erie County, shall have exclusive jurisdiction. All controversies and claims arising out of or relating to this Contract, or breach thereof, shall be settled solely by arbitration held in Erie, Pennsylvania, in accordance with the rules then existing of the American Arbitration Association and any judgment upon any award thereon may be entered in any court having jurisdiction thereof. Any demand for arbitration hereunder shall be made not later than ninety (90) days after delivery of the Products.

2429793.v1

GLOBAL PRESENCE — HOMETOWN SERVICE



North America — Edinboro, PA • Reno, NV • Naples, FL • Corry, PA | 1.866.879.4522
Europe — Dublin, Ireland • Budapest, Hungary | +353 1 825 8777

GreatCabinets.com

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