ES CABINETS

FUTURE-PROOF PLATFORM THAT ADVANCES WITH THE SHIFTING NEEDS OF CRITICAL INFRASTRUCTURE

Cable Management
Support proper cable installation and efficient airflow with internal and external cabinet accessories

Airflow
Versatile to support efficient airflow at the cabinet level and throughout the data center

Security
Electronic access control and unique cabinet components protect physical data assets

Power
Dedicated space in the cabinet provides an unobstructed area for PDU install and access

Integrated features and optional accessories make the ES from Great Lakes the most versatile cabinet capable of supporting shifting critical infrastructure: **power, airflow, cable management,** and **security.** We call it a Future-Proof cabinet—a single platform that grows with the evolving needs of any data center or computer room.

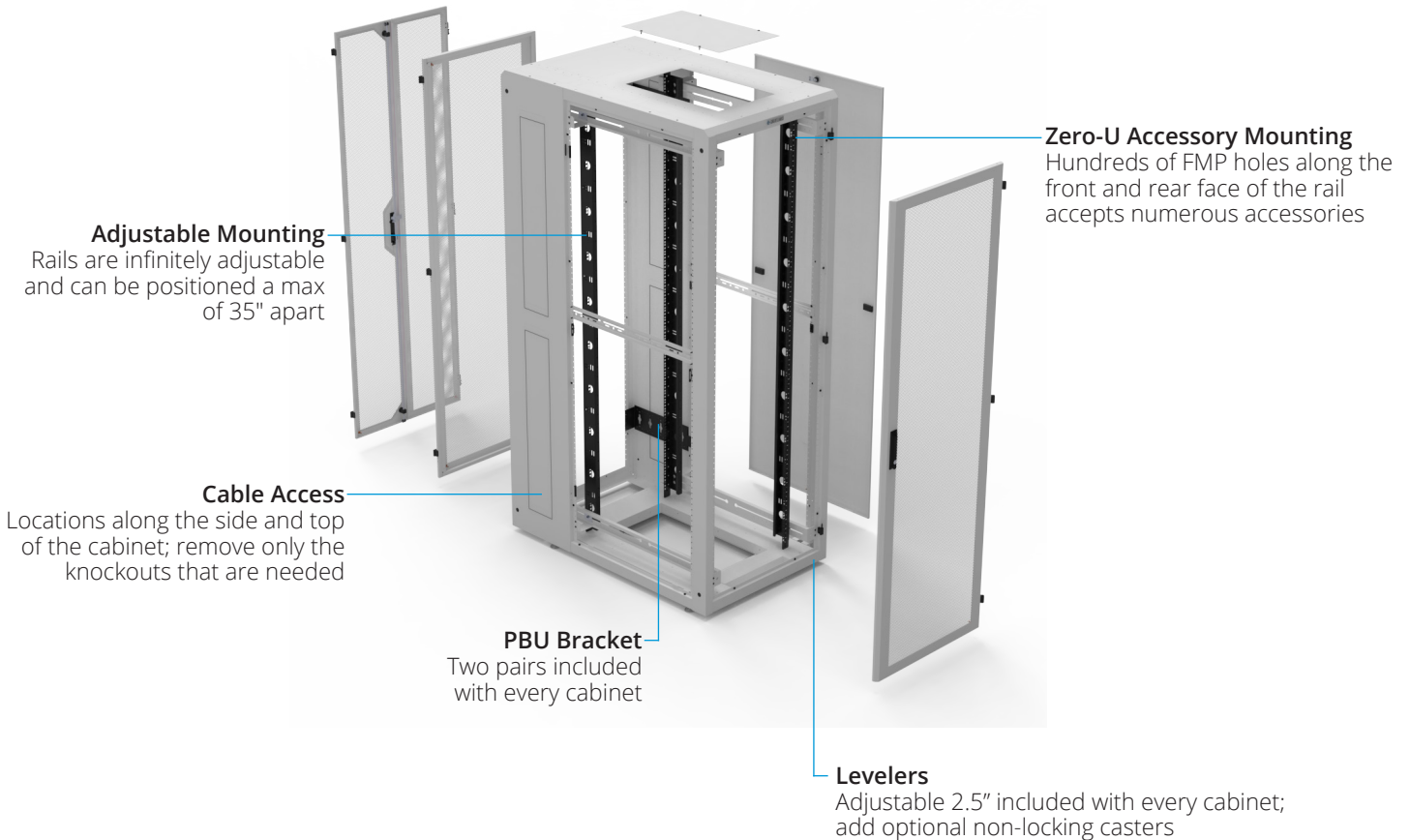**ES Cabinets—the most fast, flexible, and easy solution to support data center needs.**

FAST: Choose from 16 in-stock sizes, STACK (integrate) the ES with accessories and the entire cabinet ships in 24-48 hours

FLEXIBLE: Pick popular configurations or configure a cabinet with the doors, sides, and tops that you want—3,000+ variations

EASY: Hundreds of mounting points throughout the cabinet to install, reposition, and reconfigure accessories

SUPERIOR STRENGTH: A fully welded frame and 12 gauge mounting rails support a max static weight capacity of 4000 lbs. (3300 UL rating)

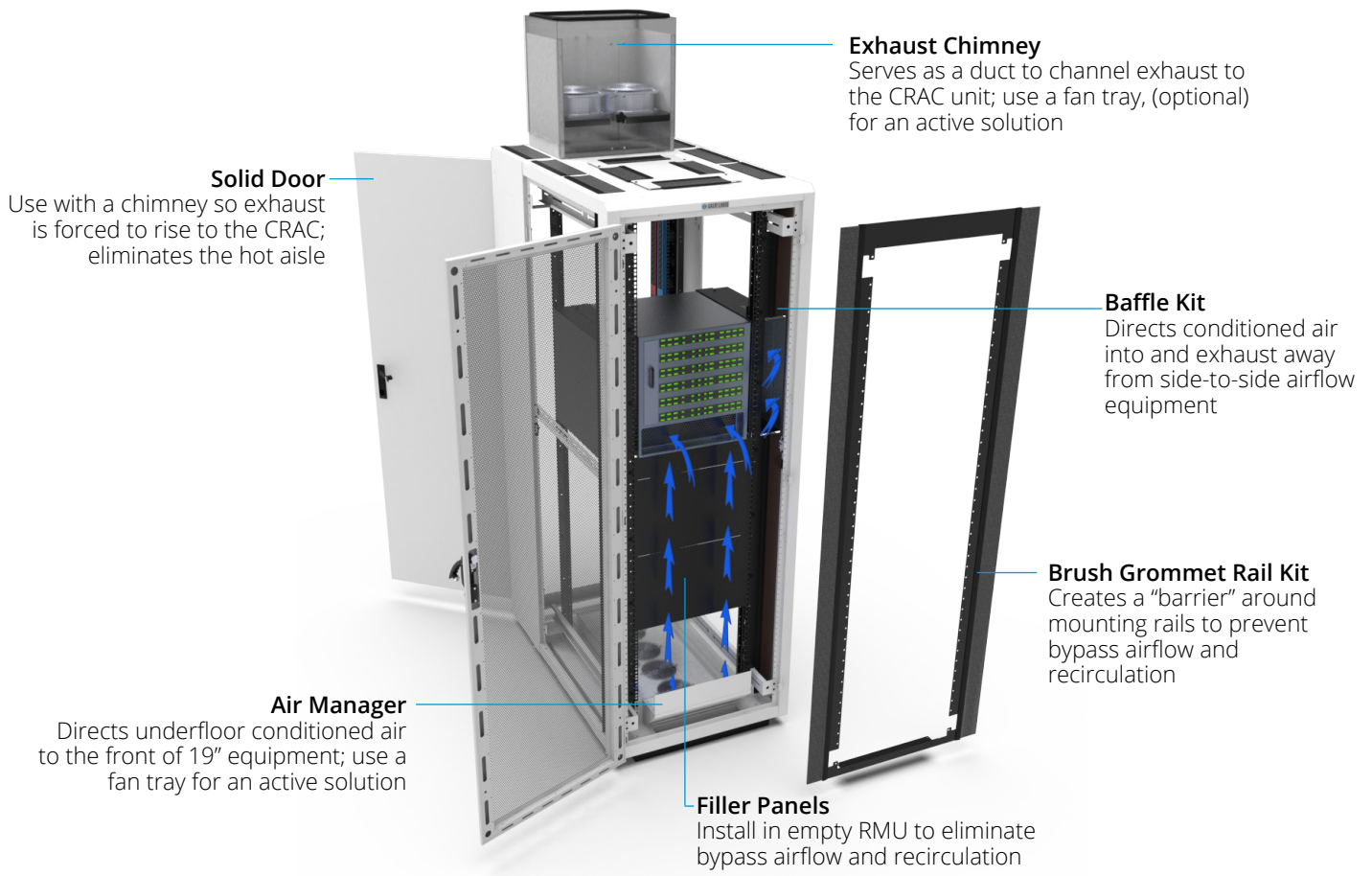MKPS10R0V3

POPULAR ES CONFIGURATIONS

Zero-U Accessory Mounting
Hundreds of FMP holes along the front and rear face of the rail accepts numerous accessories

Adjustable Mounting
Rails are infinitely adjustable and can be positioned a max of 35" apart

Cable Access
Locations along the side and top of the cabinet; remove only the knockouts that are needed

PBU Bracket
Two pairs included with every cabinet

Levelers
Adjustable 2.5" included with every cabinet; add optional non-locking casters

Height	Width	Depth	Color	Configuration	Example
GLXXXES-	XX	XX-	X-	XX	Configured ES cabinet
980 (52U, 98")	**24**	**42**	**B** (Black)	**MS** (Mesh contour front/rear)	**GL840ES-2442-B-MS**
910 (48U, 91")	30	48	**W** (White)	**MSS** (Mesh contour front/split mesh)	
840 (44U, 84")	32²				
790 (42U, 49")					
480 (24U, 48")¹					
Note: ¹ 48"H available in 24" W x 42"D only; ² 32" width available in 84" height only					

COMPLETE CABINET INCLUDES: Welded frame with two pair of 19" EIA, 3/8" sq. (M6) mounting rails (with RMU markings and FMP), two pair of PDU brackets, pair of solid side panels, solid top panel, front and rear door as configured (each with a locking handle) and 2.5" levelers; UL2416

ES AIRFLOW

Exhaust Chimney
Serves as a duct to channel exhaust to the CRAC unit; use a fan tray, (optional) for an active solution

Solid Door
Use with a chimney so exhaust is forced to rise to the CRAC; eliminates the hot aisle

Baffle Kit
Directs conditioned air into and exhaust away from side-to-side airflow equipment

Brush Grommet Rail Kit
Creates a "barrier" around mounting rails to prevent bypass airflow and recirculation

Air Manager
Directs underfloor conditioned air to the front of 19" equipment; use a fan tray for an active solution

Filler Panels
Install in empty RMU to eliminate bypass airflow and recirculation

Flexible and scalable accessories for the ES address airflow at the cabinet level and throughout the data center. Implement best practices in the cabinet by using simple accessories to reduce bypass airflow and exhaust recirculation. Efficient airflow in the cabinet lends itself to an improved data center strategy that utilizes localized containment or hot aisle/cold aisle solutions—all designed with containment products that are built-to-order to ensure the best fit, function, and installation.

STACK the ES—free integration of filler panels, brush grommet, etc!

ESTABLISH BEST PRACTICES
Install basic accessories that support data center best practices—fill gaps in and around the cabinet to segregate conditioned air and exhaust
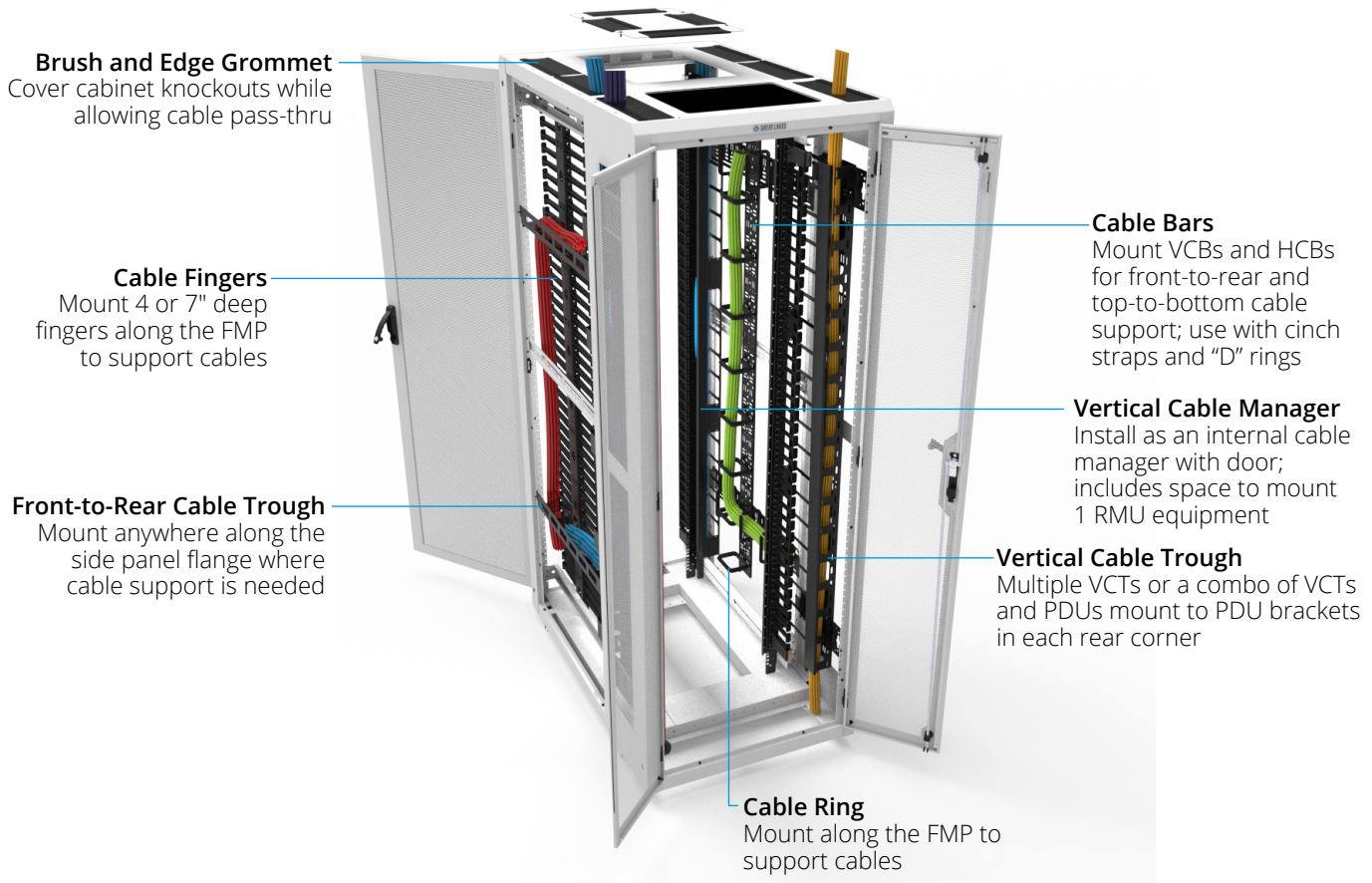
CONFIGURE FOR EVOLVING NEEDS
Choose doors and top panels that support a desired airflow strategy; configure at the time of order, or quickly swap parts in the field to support changing needs

BUILD FOR EFFICEINCY
Determine an airflow strategy—localized or aisle containment—and choose from several aisle door and overhead options to support the strategy

GREAT LAKES
DATA RACKS & CABINETS

MKPS11R0V3

ES INTERNAL CABLE MANAGEMENT

FLEXIBLE PRODUCTD AND DESIGNS THAT PROVIDE INFINITE CABLE MANAGEMENT OPTIONS

Brush and Edge Grommet
Cover cabinet knockouts while allowing cable pass-thru

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

Front-to-Rear Cable Trough
Mount anywhere along the side panel flange where cable support is needed

Cable Bars
Mount VCBs 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

Vertical Cable Trough
Multiple VCTs or a combo of VCTs and PDUs mount to PDU brackets in each rear corner

Cable Ring
Mount along the FMP to support cables

The ES cabinet accept vertical, horizontal, and unique accessories that support best practices related to telecommunications and ICT cabling infrastructure. Determine which accessories are needed at the time of ordering an ES cabinet and Great Lakes will install all accessories where specified. Once onsite, relocation and adjustment of accessories, if needed, is fast and easy

STACK the ES—free integration of internal cable management products!

ARRANGE & ADJUST ACCESSORIES
Mount cable fingers, rings, posts, cinch straps, and EIA brackets along the FMP, hundreds of mounting points made for quick installation, adjustment, and upgrade of accessories

MANAGE CABLES IN ALL DIRECTIONS
Facilitate proper cable installation and maintenance by separating and organizing pathways throughout the cabinet—install vertical and horizontal accessories exactly where needed

BOOST AIRFLOW EFFICIENCY
Clean and tidy bundles, combined with products like brush grommet, boost airflow efficiency and create the best operating environment for infrastructure and rack mount equipment

GREAT LAKES
DATA RACKS & CABINETS

4193 Route 6N · Edinboro, PA 16412 | 1.866.879.4522
View the complete Great Lakes product line at GreatCabinets.com

MKPS11R0V3

ES EXTERNAL CABLE MANAGEMENT
FULLY WELDED CABINET CAPABLE OF SELF-SUPPORTING HIGH DENSITY CABLE BUNDLES
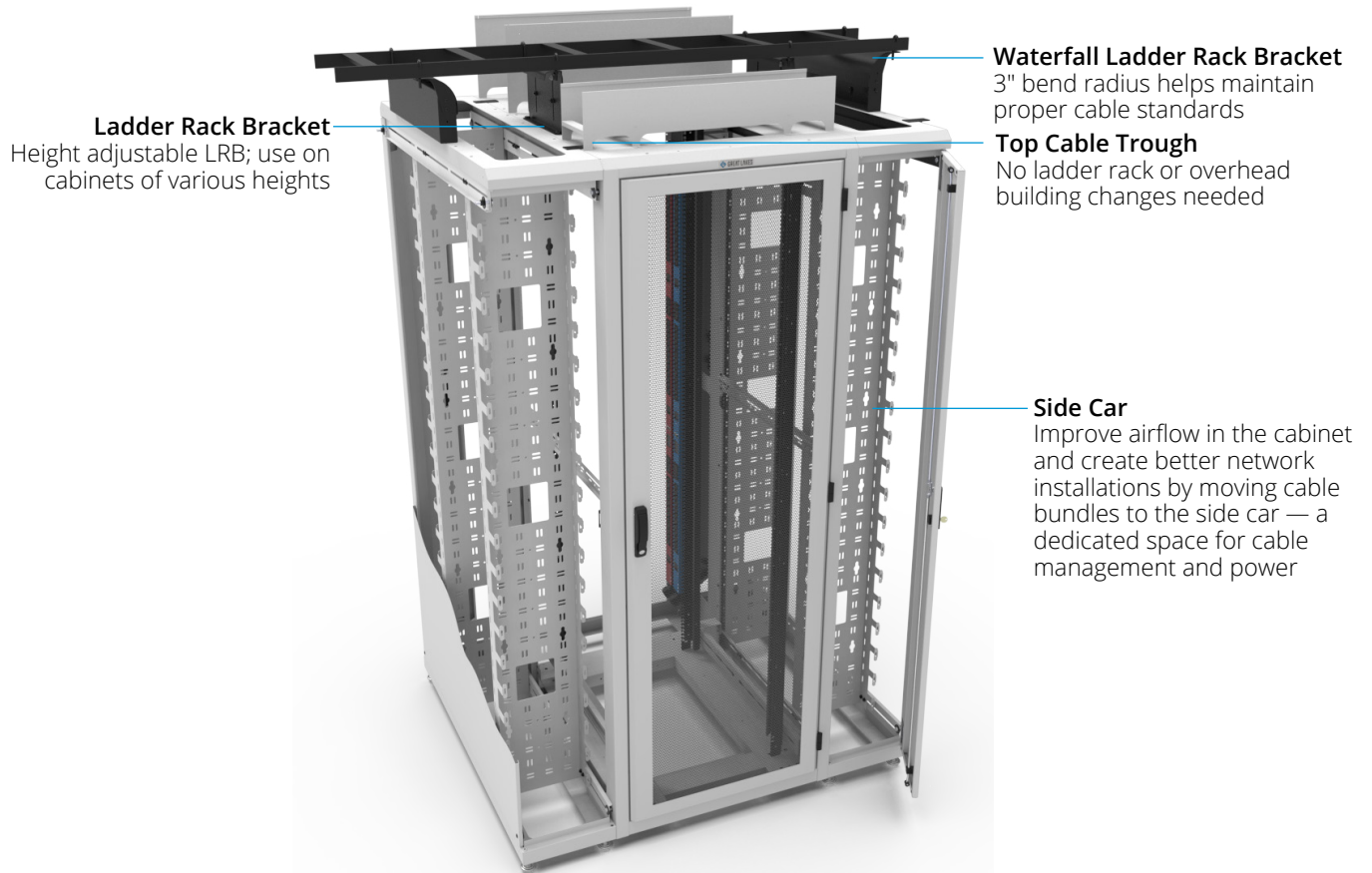
Ladder Rack Bracket
Height adjustable LRB; use on cabinets of various heights

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

Top Cable Trough
No ladder rack or overhead building changes needed

Side Car
Improve airflow in the cabinet and create better network installations by moving cable bundles to the side car — a dedicated space for cable management and power

External cable management accessories attach to the ES cabinet to create a dedicated space outside of the cabinet for improved cable infrastructure. The fully welded ES frame is capable of self-supporting high density cable bundles across the top of cabinets—no need to suspend hardware and make overhead infrastructure changes to the building.

Quickly and economically manage overhead cables with as little as one part number.

ATTACH OVERHEAD TROUGHS
Top cable troughs install on the ES with 4 screws and provide a quick and easy means to support overhead cables
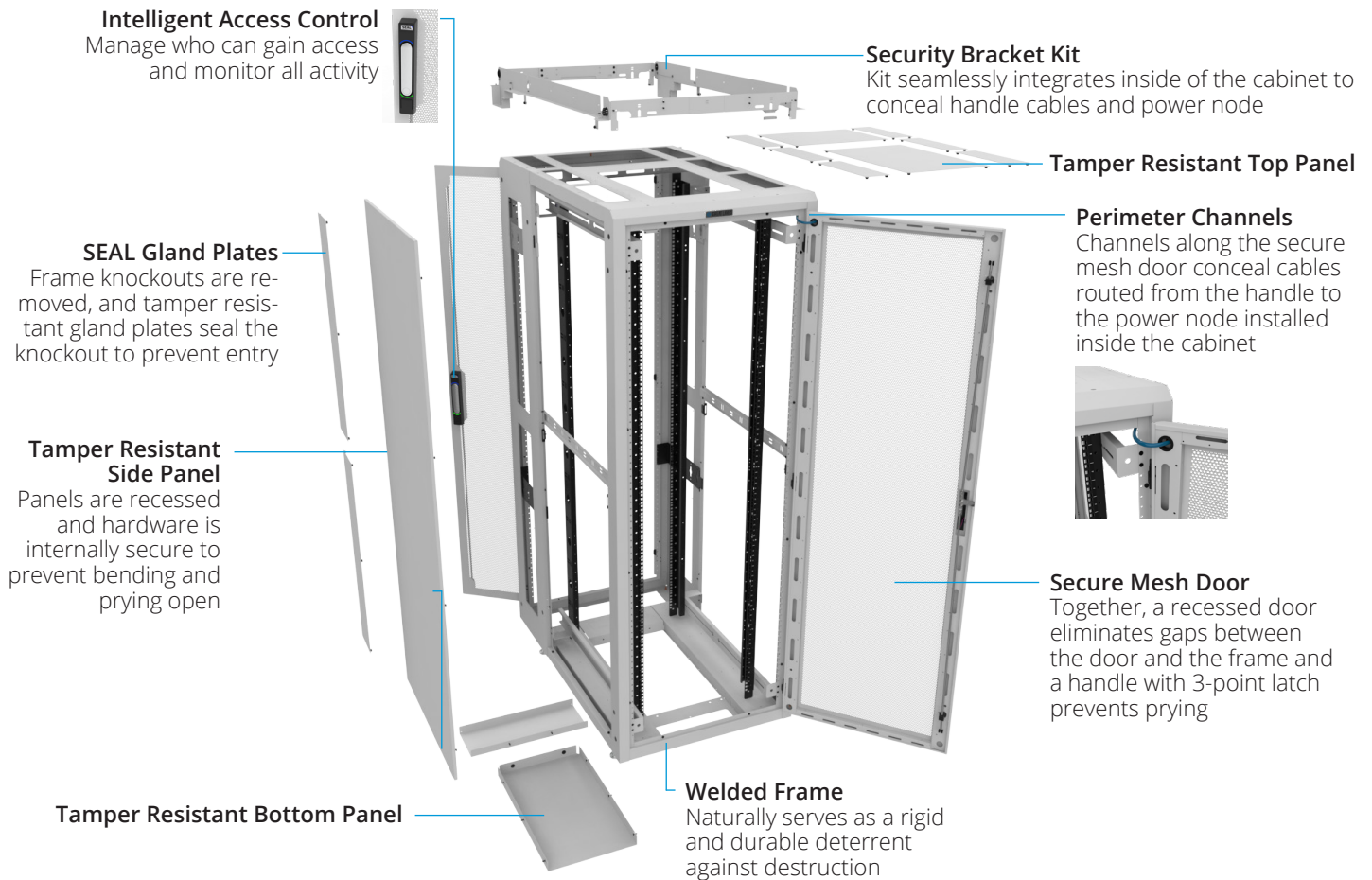
UTILIZE RUNWAY & BASKET TRAY
Multiple styles of ladder rack brackets support cable runway and basket tray across data center cabinets and aisle rows

ORGANIZE CABLES & IMPROVE AIRFLOW
Relocate cables to the side car to eliminate large bundles in the cabinet—airflow now has an unobstructed path to enter equipment inlets and exhaust does not build up in the cabinet rear

GREAT LAKES
DATA RACKS & CABINETS

MKPS95R0V3

ES PHYSICAL SECURITY

A NEARLY IMPENETRABLE LAYER OF PHYSICAL PROTECTION AROUND RACK MOUNT EQUIPMENT

Intelligent Access Control
Manage who can gain access and monitor all activity

Security Bracket Kit
Kit seamlessly integrates inside of the cabinet to conceal handle cables and power node

Tamper Resistant Top Panel

SEAL Gland Plates
Frame knockouts are removed, and tamper resistant gland plates seal the knockout to prevent entry

Perimeter Channels
Channels along the secure mesh door conceal cables routed from the handle to the power node installed inside the cabinet

Tamper Resistant Side Panel
Panels are recessed and hardware is internally secure to prevent bending and prying open

Secure Mesh Door
Together, a recessed door eliminates gaps between the door and the frame and a handle with 3-point latch prevents prying

Tamper Resistant Bottom Panel

Welded Frame
Naturally serves as a rigid and durable deterrent against destruction

---

SEAL Cabinets are the ultimate physical security solution to protect rack mount equipment against accidental and physical harm. SEAL begins with an ES frame that is integrated with high-quality metal components and sophisticated electronic access control. Choose the complete SEAL cabinet or incorporate the accessories that create the optimal degree of physical protection for any situation.

SEAL®

INTEGRATE ACCESS CONTROL
Single and multi-factor access options provide IT managers control and oversight into activity surrounding a cabinet—who, what, when, and where

ELIMINATE POINTS OF VULNERABILITY
Install accessories specifically designed to delay and deter points of unauthorized access and tampering: tamper resistant panels, gland plates, brackets to conceal sensitive hardware, etc.

UPGRADE & REMAIN COMPLIANT
Integrate access control and accessories that promote compliance with specific industry regulations (HIPAA, FISMA, etc.) designed to protect physical assets and sensitive information

---

GREAT LAKES
DATA RACKS & CABINETS

4193 Route 6N · Edinboro, PA 16412 | 1.866.879.4522
View the complete Great Lakes product line at GreatCabinets.com

MKPS11R0V3