DATA SHEET

CPI's OCP Open Rack V3 (ORV3)





Chatsworth Products' (CPI) OCP Open Rack V3 (ORV3) delivers a flexible, OCP-compliant infrastructure platform designed to support AI and high-density computing requirements while providing a scalable path for future growth. Combined with CPI's engineering expertise and U.S.-based manufacturing capabilities, CPI's ORV3 helps customers address current deployment requirements while adapting to evolving compute demands.

KEY FEATURES

Customizable OCP-Compliant Architecture

- **Flexible Infrastructure –** Available in 44OU, 48OU, and high-power rack (HPR) configurations to support standard or customer-specific deployment requirements.
- **OCP Compatibility –** Supports OCP-standard components including 48V DC busbars, power shelves, and IT rails, with optional support for both 21" Open Rack equipment and 19" EIA equipment.
- **High-Capacity Design –** Supports static loads up to 3086 lb (1,400 kg), providing a robust platform for high-density AI and compute deployments.

Scalable Deployment Flexibility

- **Ready for Growth –** Designed to support evolving AI and high-performance computing requirements, from initial deployments to large-scale infrastructure expansions.
- **Deployment Choice –** Integrated cable management, along with top-of-rack and bottom-of-rack containment (TORC/BORC) accessories, allows organizations to configure ORV3 to meet current needs while maintaining flexibility for future changes.

U.S.-Based Manufacturing & Responsiveness

- **Domestic Manufacturing –** Manufactured in the United States to provide a reliable domestic source for ORV3 rack infrastructure.
- **Compliance Options –** CPI's ORV3 frames and accessories are BABA compliant, with the exception of IT support brackets and power shelf rail accessories.
- **Customer-Focused Support –** CPI's responsive manufacturing and customer-specific configuration capabilities help organizations address operational requirements and deployment timelines.

Power Solution Options

- ORV3 cabinet-compatible 48V DC power shelves and busbars can be provided upon request. Available power shelf solutions range from 18kW – 33kW and busbars from 350A – 2500A. For faster deployments, busbars can be factory-installed within ORV3 frames.

SPECIFICATIONS

Description	• OCP Meta Open Rack Frame V3 Specification Revision 1.3 • Fully welded steel frame • For indoor use only in environmentally controlled areas
Frame Includes	• Leveling feet and load-bearing casters
Equipment Space	• See height, width and depth matrices under Ordering Information/Dimensions
Equipment Support	• Supports IT equipment spacing for 48 mm vertical OpenU systems o 1 OpenU (OU) = 48 mm (1.89 in) vertically • Supports IT equipment spacing for 44.45 mm vertical EIA-310 rack units (RU) when equipped with optional 19" EIA full-height mounting rails or 21" to 19" adapter brackets o 1 rack unit (RU) = 44.45 mm (1.75 inches) vertically o 19"W, EIA-310 Universal 5/8"-5/8"-1/2" (15.9 mm – 15.9 mm – 12.7 mm) vertical hole spacing, square-punched holes
Load Capacity	• 3086 lb (1,400 kg) static
Certifications	• OCP Accepted® • EIA-310 compliant (when used with 19" EIA rails)
Materials	• Steel frame, rails, and panels • Plastic grommets/seals

OCP ACCEPTED™

Availability: US, Canada, Latin America, Europe, Middle East & Africa

United States & Canada
Simi Valley, CA
800-834-4969
Toronto, Ontario, Canada
+905-850-7770
chatsworth.com
techsupport@chatsworth.com

Latin America
Mexico City, Mexico
+52-55-5203-7525
Toll Free within Mexico
800-201-7592
chatsworth.com.co

Europe
Buckinghamshire
England, UK
+44-1628-524-834

Middle East & Africa
Dubai, UAE
+971-4-2602125

Asia Pacific
Jing'an District,
Shanghai, China
+86 21 6880-0266
chatsworth.com.cn

SPECIFICATIONS

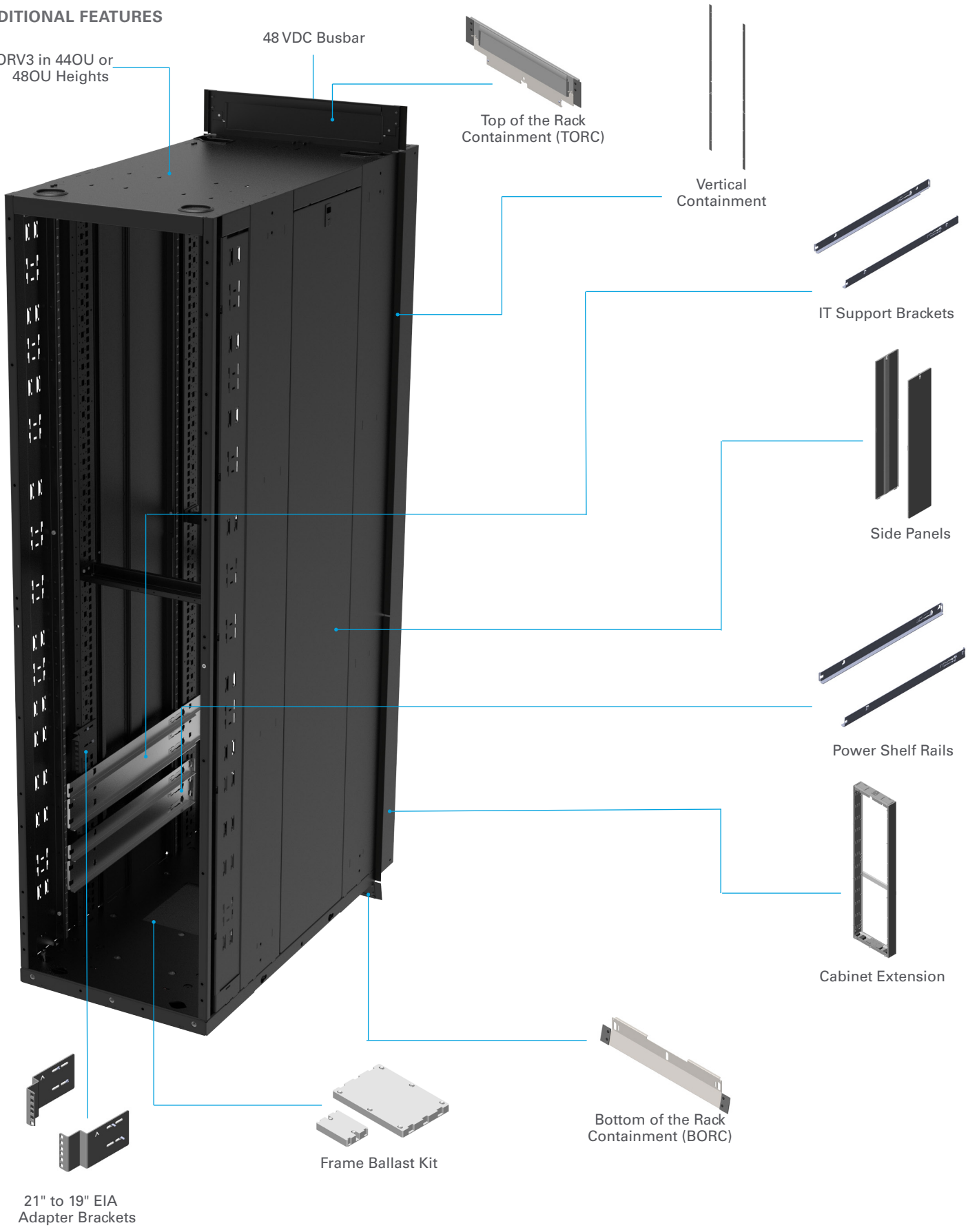
Finish:	• Powder coat paint finish on frame, rails, and panels, available in Black or Glacier White
Side Panels:	• Optional • Solid, full-height panels for 44OU and 48OU heights • Flush mount • Recessed spring-loaded latches with keyed locks
Top Panel:	• Structural welded top panel with two 3.96” (100.6 mm) diameter front cable entry ports with sealing grommets and two edge-protected rear cable entry ports • Front and rear M5 dual lug bonding attachment points • Rear busbar interface
Bottom Panel:	• Structural welded bottom panel with rear busbar interface
Cable Management:	• Integrated front vertical cable lashing panels
Bonding and Grounding:	• Front and rear M5 dual lug bonding attachment points on top panel
Ballast:	• Frame Ballast Kit • Provides 165 lb (75 kg) of ballast weight for stability • Powder-coated paint in Black or Glacier White finish • Must be factory-installed
Adapter Brackets:	• Optional 21" to 19" EIA adapter brackets • Available in U heights: 1U, 2U, 3U, 4U, 5U, 23U
Cabinet Extension	• Optional frame extension for 44OU and 48OU heights • 5.2” (132 mm) depth

Schedule Your Next ORV3 Hyperscale Project Today

The best way to understand CPI's full breadth of products, solutions and capabilities to help design to your CPI ORV3 specification is to get direct consultation from one of our CPI experts.

Visit chatsworth.com to learn more or contact CPI Technical Support directly at 800-834-4969 or techsupport@chatsworth.com.

ADDITIONAL FEATURES



ORDERING INFORMATION:

Use the ordering tables below to select an ORV3 Version 1.3 rack. Select the rack OU height, depth, and color.

ORV3 – 44OU							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65010-701	44OU	90.2 (2291.1)	23.6 (600)	42.0 (1068)	Black	Each	370 (167.9)
65011-701	44OU	90.2 (2291.1)	23.6 (600)	47.2 (1200)	Black	Each	430 (195.1)
65010-E01	44OU	90.2 (2291.1)	23.6 (600)	42.0 (1068)	Glacier White	Each	370 (167.9)
65011-E01	44OU	90.2 (2291.1)	23.6 (600)	47.2 (1200)	Glacier White	Each	430 (195.1)

Note: Choose depth and color

ORV3 – 48OU							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65010-702	48OU	97.8 (2484.2)	23.6 (600)	42.0 (1068)	Black	Each	390 (177)
65011-702	48OU	97.8 (2484.2)	23.6 (600)	47.2 (1200)	Black	Each	450 (204.2)
65010-E02	48OU	97.8 (2484.2)	23.6 (600)	42.0 (1068)	Glacier White	Each	390 (177)
65011-E02	48OU	97.8 (2484.2)	23.6 (600)	47.2 (1200)	Glacier White	Each	450 (204.2)

Note: Choose depth and color

ORV3 HIGH-POWER RACK							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65010-711	44OU	90.2 (2291.1)	23.6 (600)	47.2 (1200)*	Black	Each	615 (279.0)
65010-712	48OU	97.8 (2484.2)	23.6 (600)	47.2 (1200) *	Black	Each	640 (290.3)
65010-E11	44OU	90.2 (2291.1)	23.6 (600)	47.2 (1200) *	Glacier White	Each	615 (279.0)
65010-E12	48OU	97.8 (2484.2)	23.6 (600)	47.2 (1200) *	Glacier White	Each	640 (290.3)

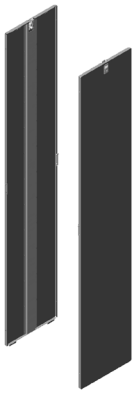
*Note: Choose rack height and color. *Overall depth shown is for the high-power rack configured with a 5.2 in (132 mm) rear extension, ballast, and vertical containment. Base rack depth is 42.0 in (1068 mm); total configured depth is 47.2 in (1200 mm).*

ACCESSORIES:

Below are accessory options available to optimize the ORV3 Version 1.3 frame for your specific deployment requirements.
Choose the rack height, depth, and color. Please note that some optional features and accessories may require region-specific provisions.
Consult your local representative for details.

SIDE PANEL KIT							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65012-701	44OU	84.5 (2146.3)	1.1 (28)	15.7 (398.8)	Black	Pair	55.4 (25.2)
65012-E01	44OU	84.5 (2146.3)	1.1 (28)	15.7 (398.8)	Glacier White	Pair	55.4 (25.2)
65012-702	48OU	92.1 (2339.4)	1.1 (28)	15.7 (398.8)	Black	Pair	60.2 (27.4)
65012-E02	48OU	92.1 (2339.4)	1.1 (28)	15.7 (398.8)	Glacier White	Pair	60.2 (27.4)

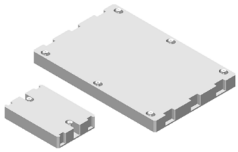
Note: Choose rack height and color



Side Panel Kit

FRAME BALLAST KIT						
Part Number	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65014-701	1.7 (43.2)	21.0 (533.4)	24.8 (630)	Black	Each	167 (75.8)
65014-E01	1.7 (43.2)	21.0 (533.4)	24.8 (630)	Glacier White	Each	167 (75.8)

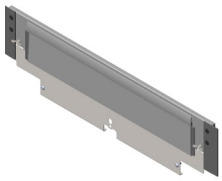
Note: Choose color. ***Must be factory-installed.***



Frame Ballast Kit

TOP-OF-RACK CONTAINMENT (TORC)						
Part Number	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65015-701	5.0 (127)	25.0 (635)	1.0 (25.4)	Black	Each	7.7 (3.5)
65015-E01	5.0 (127)	25.0 (635)	1.0 (25.4)	Glacier White	Each	7.7 (3.5)

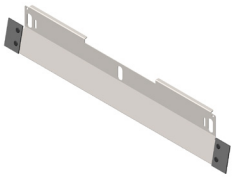
Note: Choose color



Top of the Rack Containment

BOTTOM-OF-RACK CONTAINMENT (BORC)						
Part Number	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65022-701	2.7 (68.6)	25.0 (635)	0.7 (17.8)	Black	Each	3.8 (1.8)
65022-E01	2.7 (68.6)	25.0 (635)	0.7 (17.8)	Glacier White	Each	3.8 (1.8)

Note: Choose color

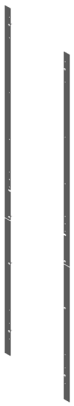


Bottom of the Rack Containment

ACCESSORIES:

VERTICAL CONTAINMENT							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65023-701	44OU	88.0 (2235.2)	1.6 (40.7)	0.1 (2.6)	Black	Each	9.7 (4.4)
65023-702	48OU	95.6 (2428.3)	1.6 (40.7)	0.1 (2.6)	Black	Each	10.3 (4.7)

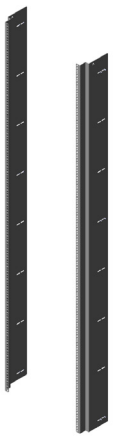
Note: Choose rack height. Optional accessory for field installation. Included as a factory-installed item in HPR configuration.



Vertical Containment

19" EIA FULL-HEIGHT RAILS							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65016-701	44OU / 48U	84.2 (2138.7)	1.9 (48.3)	6.6 (167.7)	Black	Pair	41.7 (19.0)
65016-E01	44OU / 48U	84.2 (2138.7)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	41.7 (19.0)
65016-702	48OU / 52U	91.2 (2316.5)	1.9 (48.3)	6.6 (167.7)	Black	Pair	45.0 (20.5)
65016-E02	48OU / 52U	91.2 (2316.5)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	45.0 (20.5)

Note: Choose rack height and color



EIA Rails

IT SUPPORT BRACKETS							
Part Number	**Equipment Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65017-001	1OU	1.8 (45.8)	1.0 (25.4)	30.7 (779.8)	Clear	Pair	2.5 (1.2)
65017-002	2OU	3.7 (94.0)	1.0 (25.4)	30.7 (779.8)	Clear	Pair	2.8 (1.3)

Note: Choose equipment height



IT Support Brackets

ACCESSORIES:

POWER SHELF RAILS							
Part Number	**Equipment Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65018-001	1OU	1.8 (45.8)	1.0 (25.4)	28 (711.2)	Clear	Pair	2.4 (1.1)
65018-002	2OU	3.7 (94)	1.0 (25.4)	28 (711.2)	Clear	Pair	2.7 (1.3)

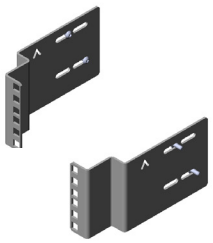
Note: Choose equipment height



Power Shelf Rails

21" TO 19" EIA ADAPTER BRACKETS							
Part Number	**Equipment Height (U)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65019-701	1U	1.8 (45.8)	1.9 (48.3)	6.6 (167.7)	Black	Pair	2.9 lb (1.4 kg)
65019-702	2U	3.7 (94)	1.9 (48.3)	6.6 (167.7)	Black	Pair	3.7 lb (1.7 kg)
65019-703	3U	5.4 (137.2)	1.9 (48.3)	6.6 (167.7)	Black	Pair	4.6 lb (2.1 kg)
65019-704	4U	7.2 (182.9)	1.9 (48.3)	6.6 (167.7)	Black	Pair	5.4 lb (2.5 kg)
65019-705	5U	8.9 (226.1)	1.9 (48.3)	6.6 (167.7)	Black	Pair	6.2 lb (2.9 kg)
65019-723	23U	41.6 (1056.7)	1.9 (48.3)	6.6 (167.7)	Black	Pair	22.2 lb (10.1 kg)
65019-E01	1U	1.8 (45.8)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	2.9 lb (1.4 kg)
65019-E02	2U	3.7 (94)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	3.7 lb (1.7 kg)
65019-E03	3U	5.4 (137.2)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	4.6 lb (2.1 kg)
65019-E04	4U	7.2 (182.9)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	5.4 lb (2.5 kg)
65019-E05	5U	8.9 (226.1)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	6.2 lb (2.9 kg)
65019-E23	23U	41.6 (1056.7)	1.9 (48.3)	6.6 (167.7)	Glacier White	Pair	22.2 lb (10.1 kg)

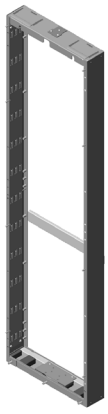
Note: Choose height and color



EIA Adapter Brackets

CABINET EXTENSION							
Part Number	**Rack Height (OU)**	**Height in (mm)**	**Width in (mm)**	**Depth in (mm)**	**Color**	**Qty**	**Shipping Weight lb (kg)**
65020-701	44OU	88.0 (2235.2)	23.6 (600)	5.2 (132.1)	Black	Each	102.8 (46.7)
65020-E01	44OU	88.0 (2235.2)	23.6 (600)	5.2 (132.1)	Glacier White	Each	102.8 (46.7)
65020-702	48OU	95.6 (2428.3)	23.6 (600)	5.2 (132.1)	Black	Each	107.4 (48.8)
65020-E02	48OU	95.6 (2428.3)	23.6 (600)	5.2 (132.1)	Glacier White	Each	107.4 (48.8)

Note: Choose rack height and color



Cabinet Extension

chatsworth.com
techsupport@chatsworth.com
800-834-4969

CHATSWORTH PRODUCTS

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