

S-Series Rack

User Manual



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CAUTION:

Before installing this product, please note the following safety information:

1. Always lower the leveling feet of the rack cabinet;
2. Always install equipment starting from the bottom of rack cabinet to top;
3. Always install the heaviest equipment in the bottom of the rack cabinet;
4. Always have two or more persons during assembling and moving the rack cabinet;

Introduction

Thank you for purchasing the S-Series Rack. This document outlines the recommended practices for assembling and installing the server rack.

The S-Series Rack is a high-quality enclosure for storage of industry-standard (EIA/ECA-310), 19inch (483mm) rack-mount hardware, which includes servers, voice, data, networking, power protection equipment and KVM, which are used in data center rooms.

The S-Series Rack from Emerson Network Power is the ultimate solution designed and engineered for demanding data center environments. To achieve optimum versatility within the server rack, users can set multiple depths throughout the rack by its adjustable 19" mounting rails mounted on heavy duty side supports. Horizontally divided side panels provide ease of access and convenient post-installation maintenance. Over 78% perforations on front and rear door enable optimum airflow within the rack. Flat-pack option enables savings up to 60% in the transport cost and warehouse space.

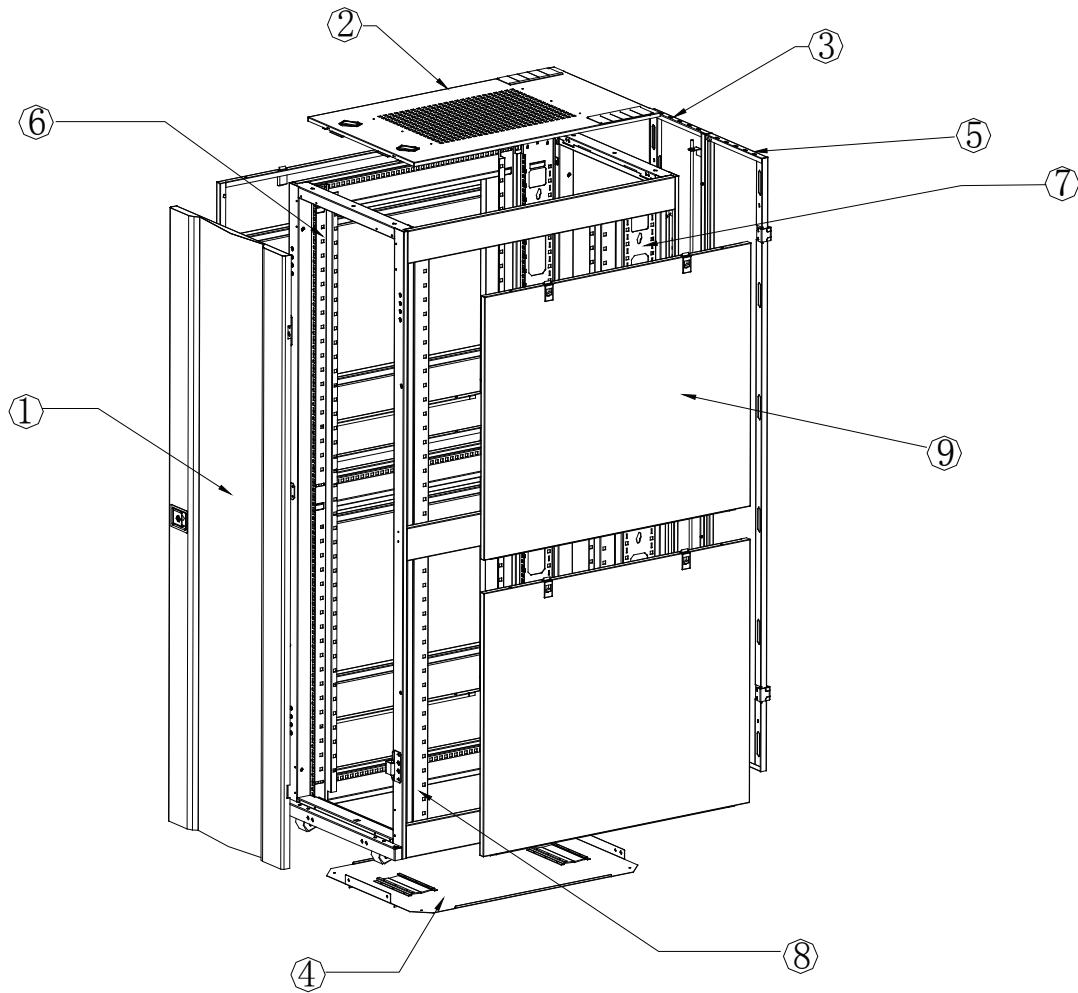
Please follow the installation instructions closely; assembly should be done using the recommended tools.

AVAILABLE RACK DIMENSIONS BELOW:

Capacity(U)	Width(mm)	Depth(mm)
24U	600	600
24U	600	800
24U	600	1000
42U	600	600
42U	600	800
42U	600	1000
42U	600	1200
42U	800	1000
42U	800	1200
48U	600	1000
48U	600	1200
48U	800	1000
48U	800	1200

NOTE: Above products can be shipped in Build-up Method or Knock-down/Flat-packed method.

Component Identification:



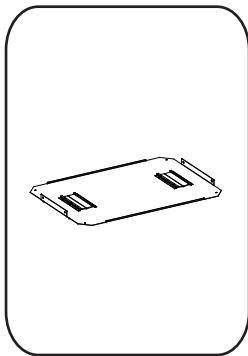
- ① Front vented door with single lock
- ② Top cover
- ③ Split rear door
- ④ Bottom plate
- ⑤ Horizontal beam
- ⑥ Left vertical rail
- ⑦ Cable management rails
- ⑧ Right vertical rails
- ⑨ Side panels

Note: Bottom Plate is an additional mounting hardware.

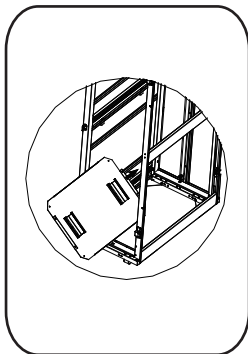
Important:

Optional Part (Bottom plate) Installation Instructions: It is better to install the bottom plate during step 4 and step 5.

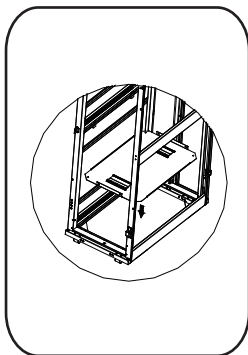
Secure the bottom plate to the corner bracket with M4*8mm self-tapping screws (4pcs), the bottom plate is tightened to the enclosure with M8*25mm hexagon headed bolt. The bottom plate is optional.



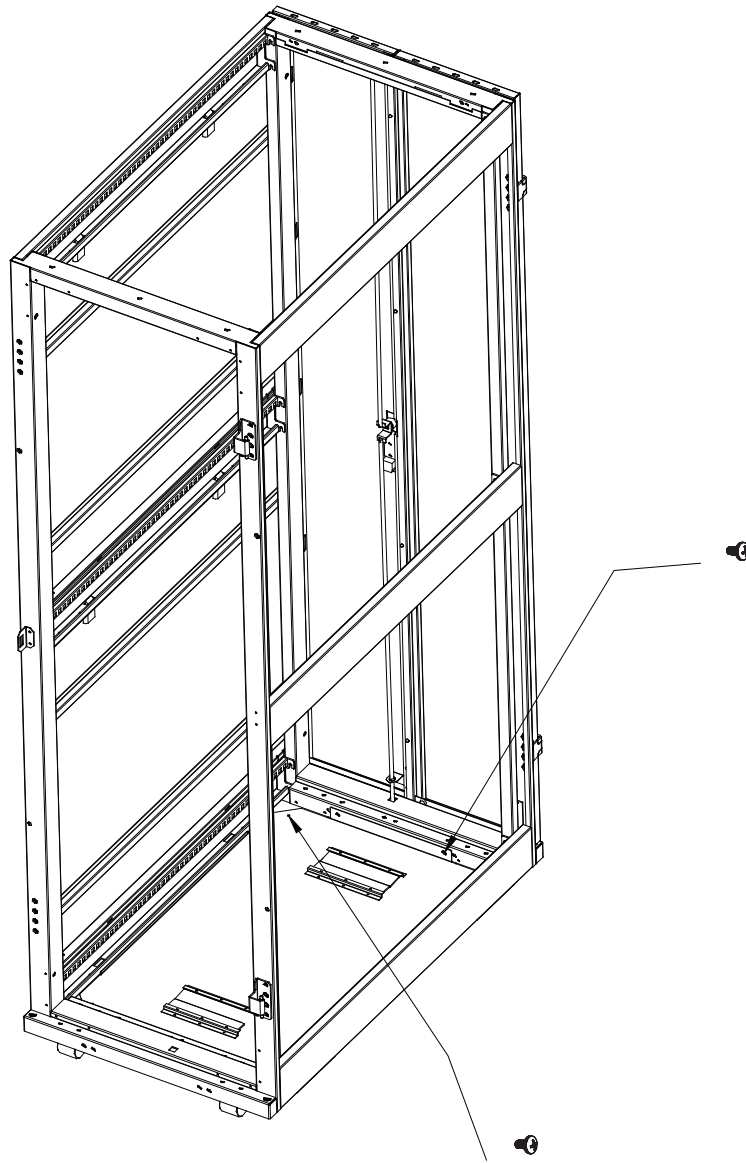
1pcs



1pcs

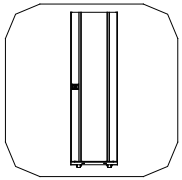


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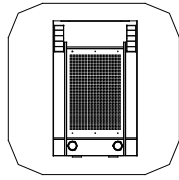


Note: The bottom plate is one of mounting accessories. Your equipment may also include other mounting hardware. Read the mounting instructions before installing your equipment.

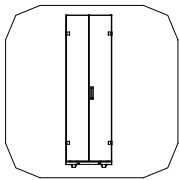
Packaging Concept:



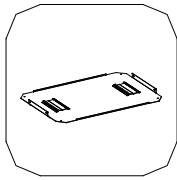
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②



③

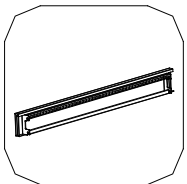


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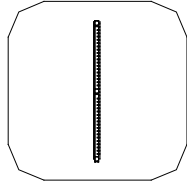
Flat-pack (knock down) concept allows the client to ship units to the limit space, which can save container loading space and transport cost.

CARTON A - 19" STANDING SERVER RACK FRONT & REAR DOOR KITS

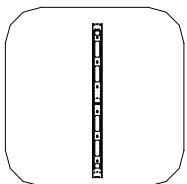
CARTON A	PARTS LIST	Q'TY
①	Front door/frame assy, 19" standing server rack	1
②	Top cover, 19" standing server rack	1
③	Rear door/frame assy, 19" standing server rack	1
④	Bottom plate, 19" standing server rack	1



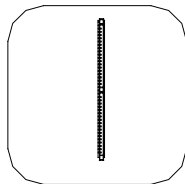
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⑥



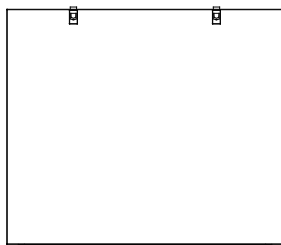
⑦



⑧

CARTON B - 19" STANDING SERVER RACK RAILS & BEAM KITS

CARTON B	PARTS LIST	Q'TY
⑤	Horizontal support beam	6
⑥	Vertical rail, left	2
⑦	Cable management rail	2
⑧	Vertical rail, right	2



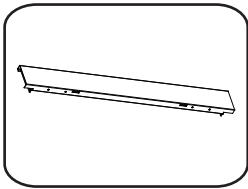
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CARTON C - 19" STANDING SERVER RACK SIDE PANEL KITS

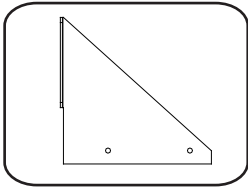
CARTON C	PARTS LIST	Q'TY
⑨	Side panel assy, 19" standing server rack	4

Part 1: Enclosure Installation

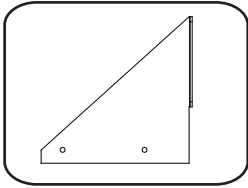
Step 1. Connect corner brackets to the lower beams with 2 screws.



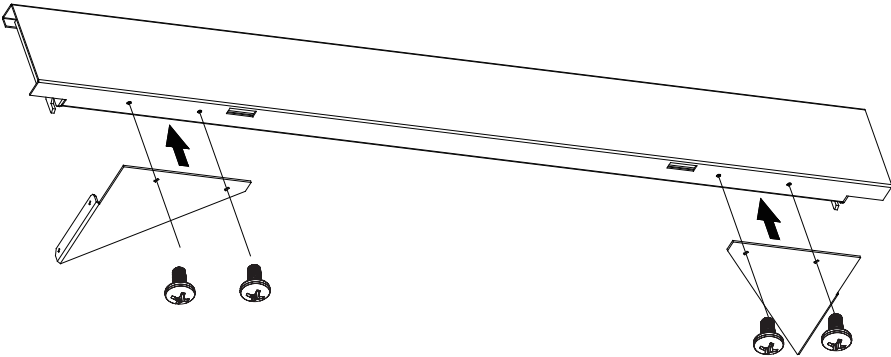
1pcs



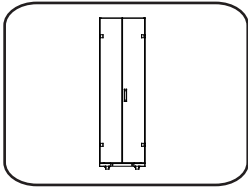
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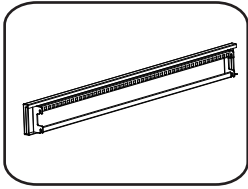
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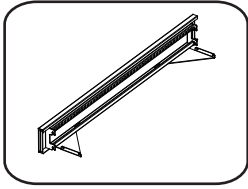
Step 2. Connect each of the 6 beams to the rear door with 2 screws.



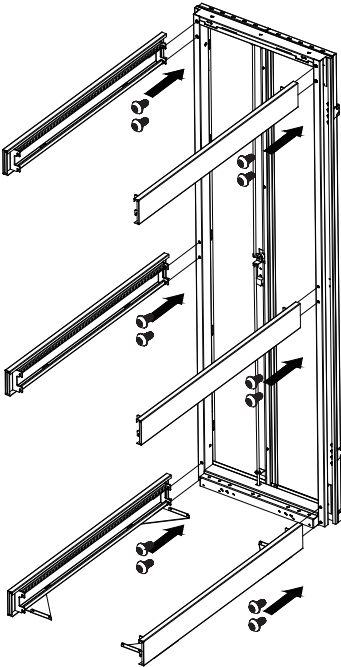
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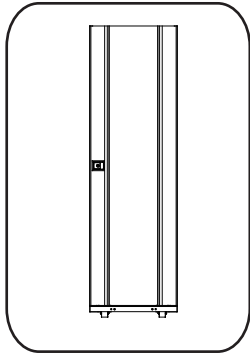
4pcs



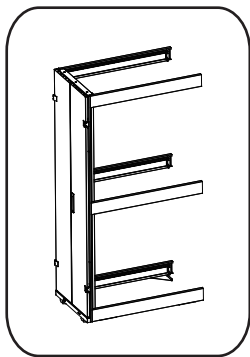
2pcs



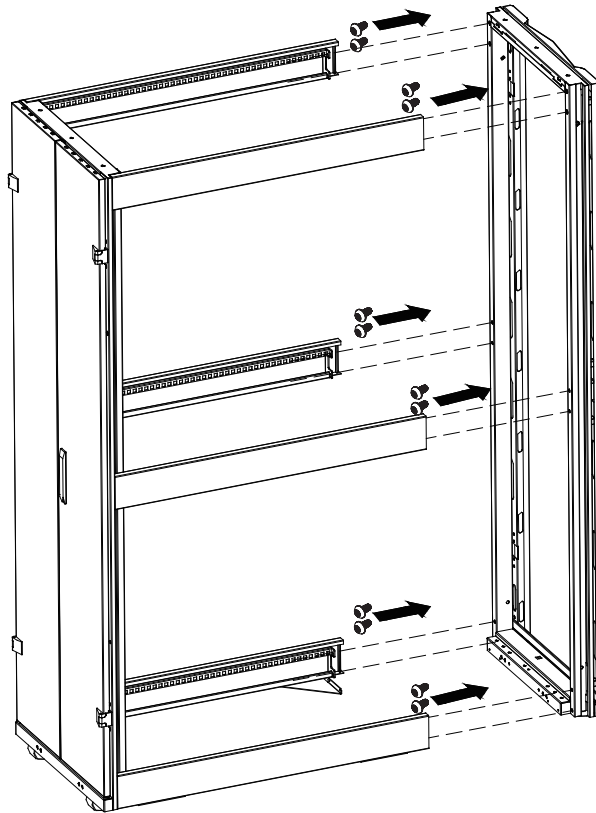
Step 3. Fasten each of the 6 beams in step 2 to the front door with 2 screws.



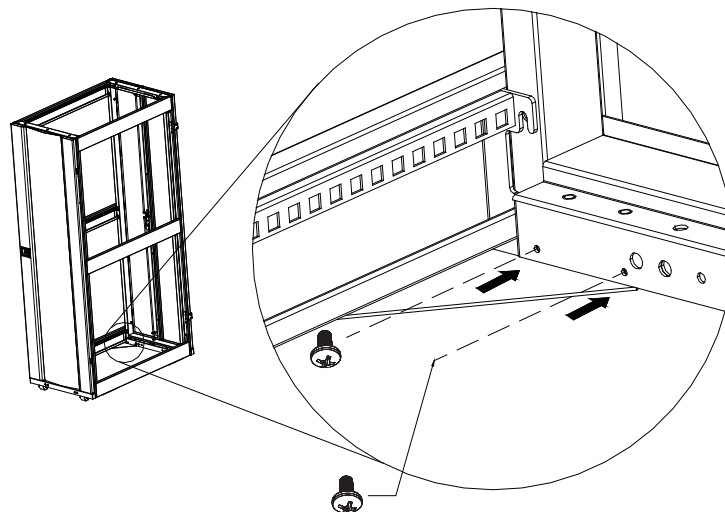
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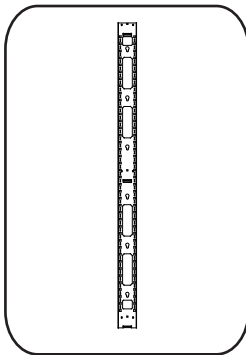
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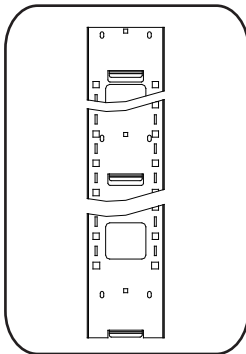
Step 4. Fasten corner brackets in step1 to the front with 2 screws



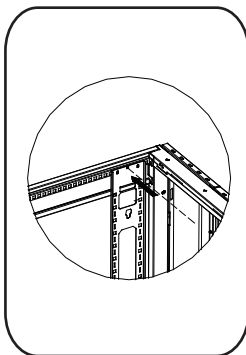
Step 5. Install the cage nuts to the required square openings in the mounting beams, one for each beam where you plan to install the cable management rails. Use M6 washers and mounting screws to secure the cable management rails, one for each side. Place M6 washers between the screws and the equipment mounting rails.



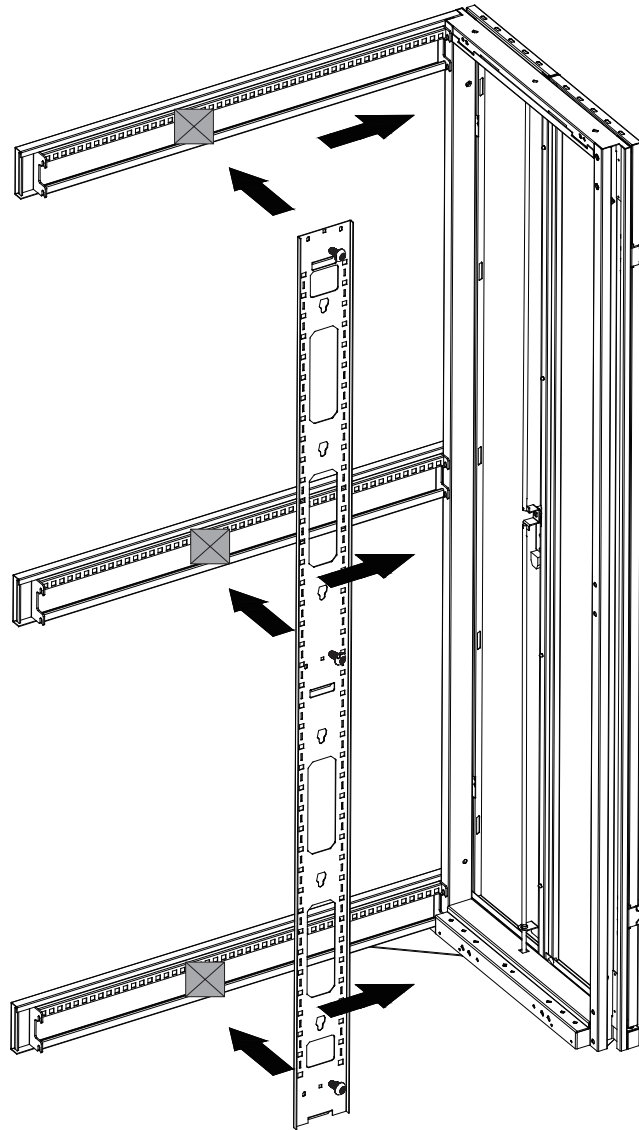
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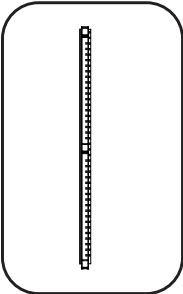
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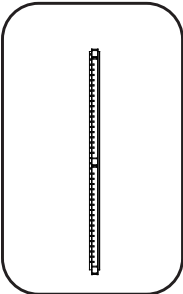
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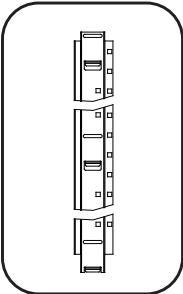
Step 6. Install the cage nuts to the desired square openings as Step 5. Fasten the rails to the mounting beams with 3 screws and M6 washers, two rails for each side.



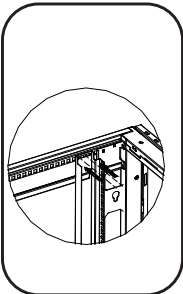
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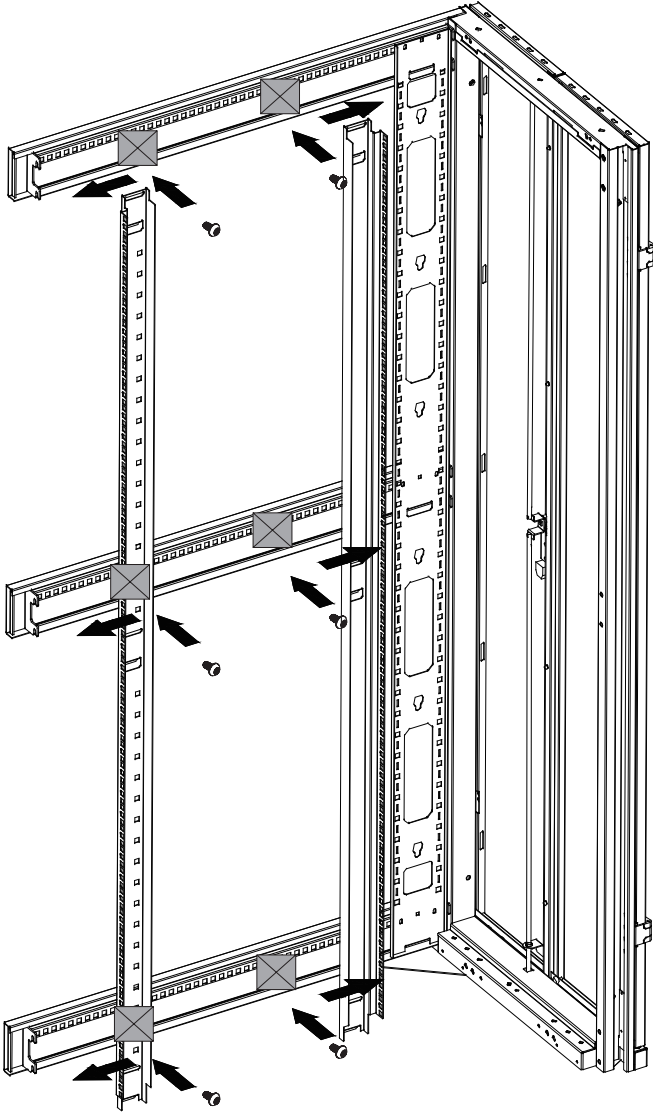
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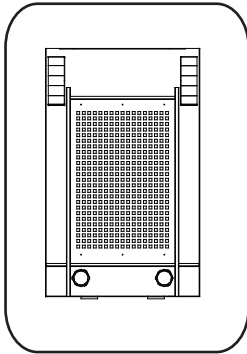
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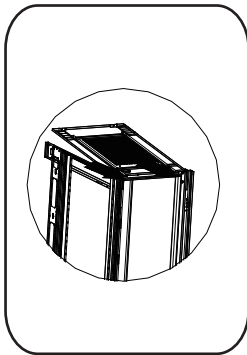
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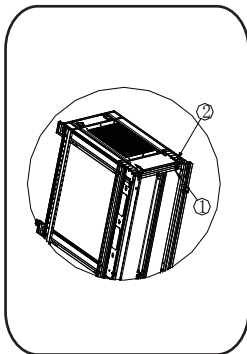
Step 7. While holding the top cover, arrange the 2 pins near the rear of the top cover into the holes in the enclosure frame. Pull the roof panel downward until it's close to the enclosure frame.



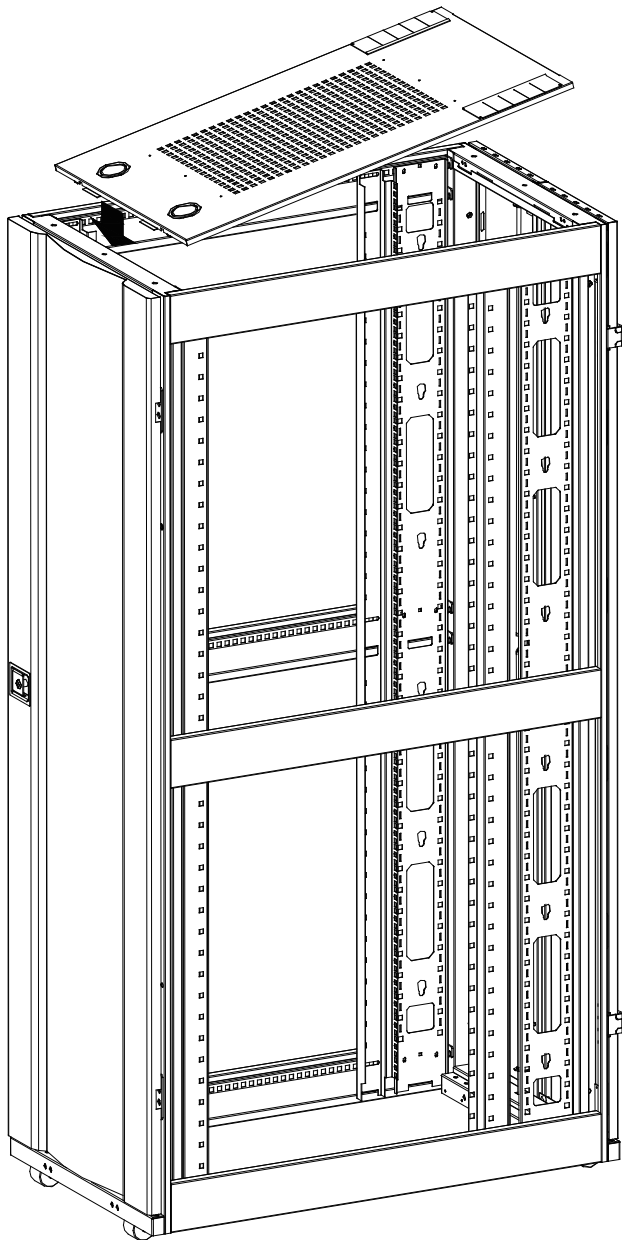
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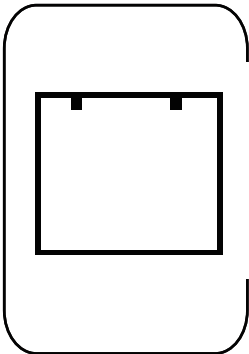
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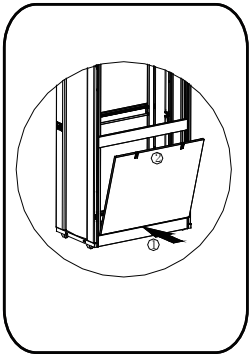
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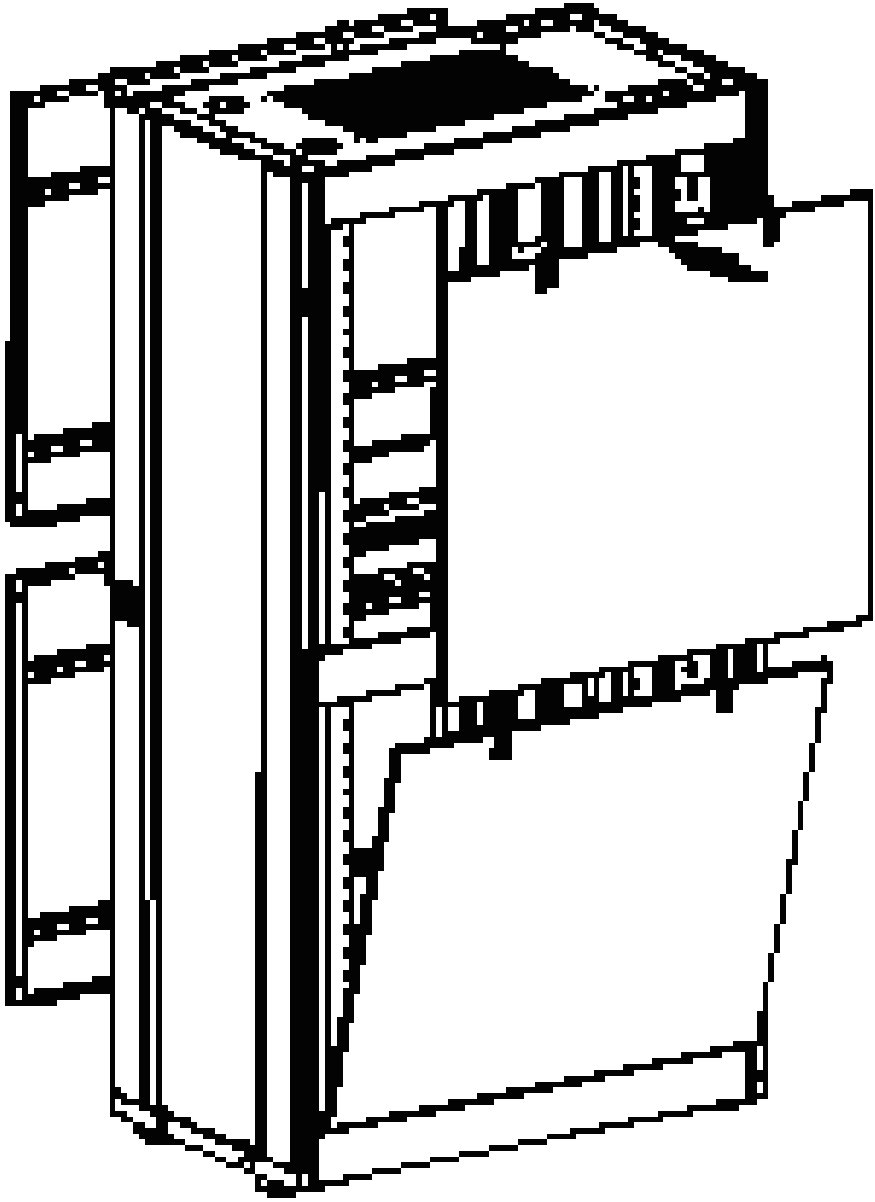
Step 8. Open side panel latch by sliding it downward, then intall side panels into the frame.



4pcs



1pcs



PART 2: ENCLOSURE CONFIGURATION

Step 1. Placement: Use the casters to move the enclosure for a short distance over a level, smooth and stable surface by pushing the unit, it should be moved near to the installation place.

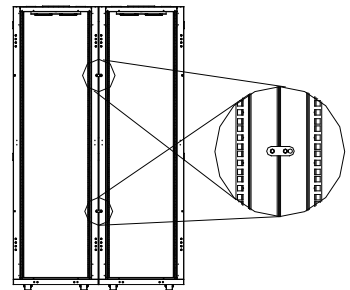
Step 2. Leveling: After locating the enclosure in right place, using the leveling feet on 4 corners to level the unit on the floor, please make sure the enclosure is leveled before attempting to install the equipment.



Step 3. Grounding Connection: Make sure all the parts of the enclosure are properly bonded and grounded to the frame of the enclosure, then connect one of the designated grounding locations (two M6 threaded inserts on front/rear door frame) directly to your facility's earth ground connection with 8AWG wire. Please don't use the enclosure without an earth ground connection.



Step 4. Align the enclosures and join them using one M5 flat-head screw (pre-installed on the door frame) per bracket - two brackets for the front and two brackets for the rear.

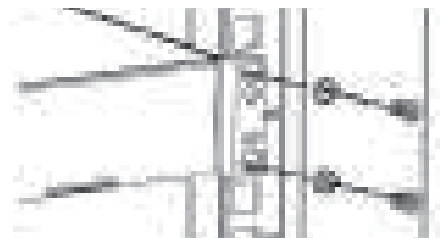


Step 5. Equipment installation: Please don't install any equipment until you have stabilized the unit. Install the heavier equipment first and towards the bottom of the enclosure. Install the equipment from the bottom of the unit and then towards the top.

Note: The square holes at the middle of each U-shaped vertical rail are numbered and also include a small notch to aid identification.



When you need to install equipment, use a cage nut to secure your equipment to the U-shaped vertical rail.



About Emerson Network Power

Emerson Network Power, a business of Emerson (NYSE:EMR), is the world's leading provider of critical infrastructure technologies and life cycle services for information and communications technology systems. With an expansive portfolio of intelligent, rapidly deployable hardware and software solutions for power, thermal and infrastructure management, Emerson Network Power enables efficient, highly-available networks. Learn more at www.EmersonNetworkPower.com.

Emerson Network Power Asia

Australia

T: 1800-065345
F: 61-2-97810252

Indonesia

T: 62-21-2513003
F: 62-21-2510622

Japan

T: 81-3-54038564
F: 81-3-54032919

Korea

T: 82-2-34831500
F: 82-2-5927886

Malaysia

T: 603-78845000
F: 603-78845188

New Zealand

T: 64-3-3392060
F: 64-3-3392063

Pakistan

T: 92-42-36622526 to 28
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Philippines

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F: 63-2-6203693

Singapore

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F: 65-64670130

Thailand

T: 66-2-6178260
F: 66-2-6178277 to 78

Vietnam

T: 84-4-37628908
F: 84-4-37628909

Stay connected:



Marketing.ap@emerson.com
www.EmersonNetworkPower.Asia

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