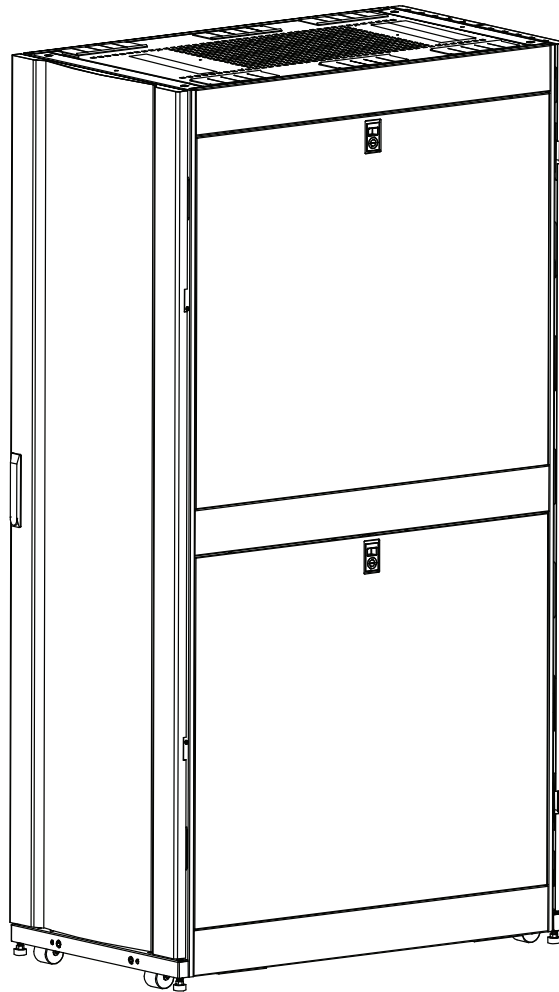


SolidRack R3100 Rack 42U Enclosure With Side Panels



User Manual

Y10E007-B1

Table of Contents

	<u>Page</u>
Rocstor Legal Disclaimer - - - - -	1
Introduction - - - - -	2
Dimensions Specification - - - - -	2
Important Safety Information - - - - -	3
Safety Instructions - - - - -	4
Component Identification - - - - -	5
Hardware and Accessories - - - - -	6
Cabinet Installation - - - - -	7
Level the Rack Cabinet - - - - -	8
Join the Cabinets - - - - -	9
Ground the Cabinet - - - - -	10
Install & Remove Side Panels - - - - -	11
Five-Year Factory Warranty - - - - -	12

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Introduction

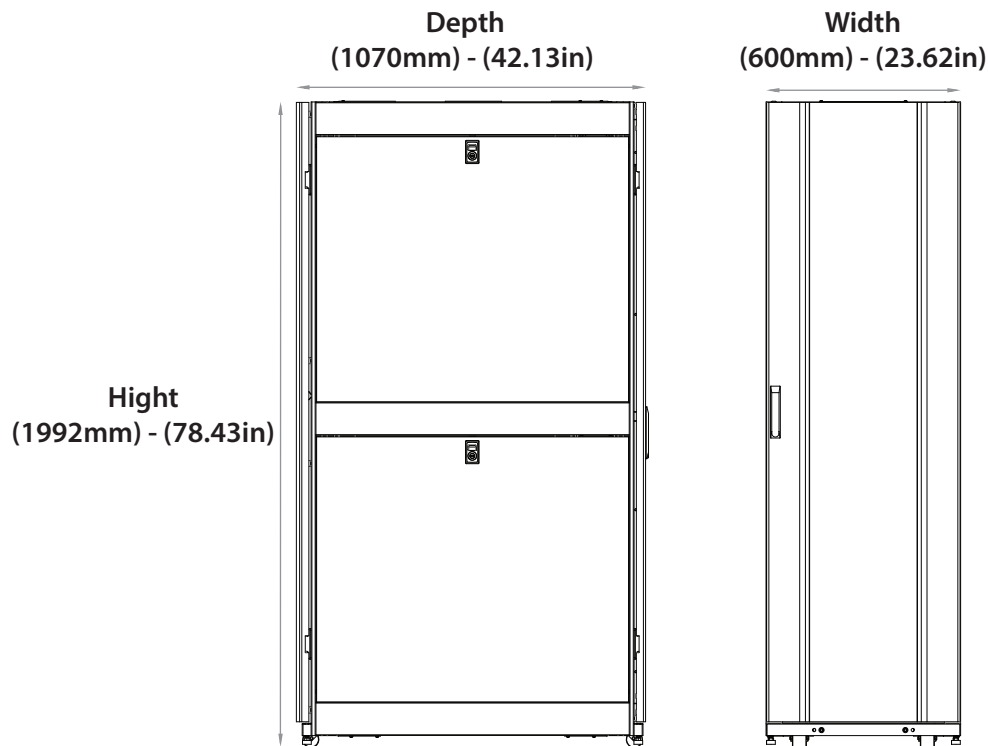
The Rocstor SolidRack R3100 cabinet is a reliable and high-quality cabinet for storing of industry-standard (EIA/ECA-310), 19 in. (483 mm) rack-mount hardware and equipment. Users can use this storage rack for data storage, servers, telecommunication equipment such as voice, data, networking and power protection equipment.

This manual provides notes for the general installation and configuration of SolidRack R3100 Cabinets.

Dimensions Specification

Available Rack Dimensions

Capacity(U)	Width(mm)	Depth(mm)
42U	600	1070



Important Safety Information

Please review and read the instructions very carefully in order to understand the specification of the equipment. This is essential information before installing, operating, service or maintaining your equipment. These messages or alerts may appear throughout this publication and manual for your purchased equipment. The messages are designed to warn you of possible hazards or to bring to your attention the information that would assist and clarifies steps and procedures.



This symbol and label provides Danger or Warning safety which indicates an electrical hazard exists. If instructions are not fully followed, it may result in personal injury.



This is a safety alert symbol. It is used to alert you to potential personal injury hazards. Please follow the instructions very carefully and obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER This symbol represents an imminently hazardous situation which, if not avoided, will result in death or serious injury. Please follow instructions carefully.

WARNING

WARNING This symbol represents a potentially hazardous situation which, if not avoided, can result in death or serious injury. Please follow instructions carefully.

CAUTION

CAUTION This symbol indicates a potentially hazardous situation which, if not avoided, can result in minor or moderate injury.

CAUTION

CAUTION, This symbol is used without the safety alert symbol, indicates a potentially hazardous situation which, if not avoided, can result in equipment damage. Please follow instructions carefully. Please follow instructions carefully.

NOTICE

NOTICE This symbol provides informations and practices not related to physical injury including certain environmental hazards, potential damage or loss of data. Please follow instructions carefully.

Safety Instructions

Please follow the essential and important instructions in this manual. The information provides you useful instructions for installation and customization of the rack or equipment.

WARNING

TIP/ HEAVY EQUIPMENT HAZARD

- The content of this packaging is easily tipped. Please be extra careful and use extreme caution when moving or unpacking this cabinet.
- Two people are preferred and are required to move and unpack the cabinet.
- Before moving the cabinet on its casters, load in the means of servers, storage, or other equipment 159 kg (350 lb) of equipment into rack and place the equipment at the bottom of the cabinet for additional stability.
- Make sure the leveling feet are up when moving or pushing the cabinet. DO NOT push the cabinet from its sides.

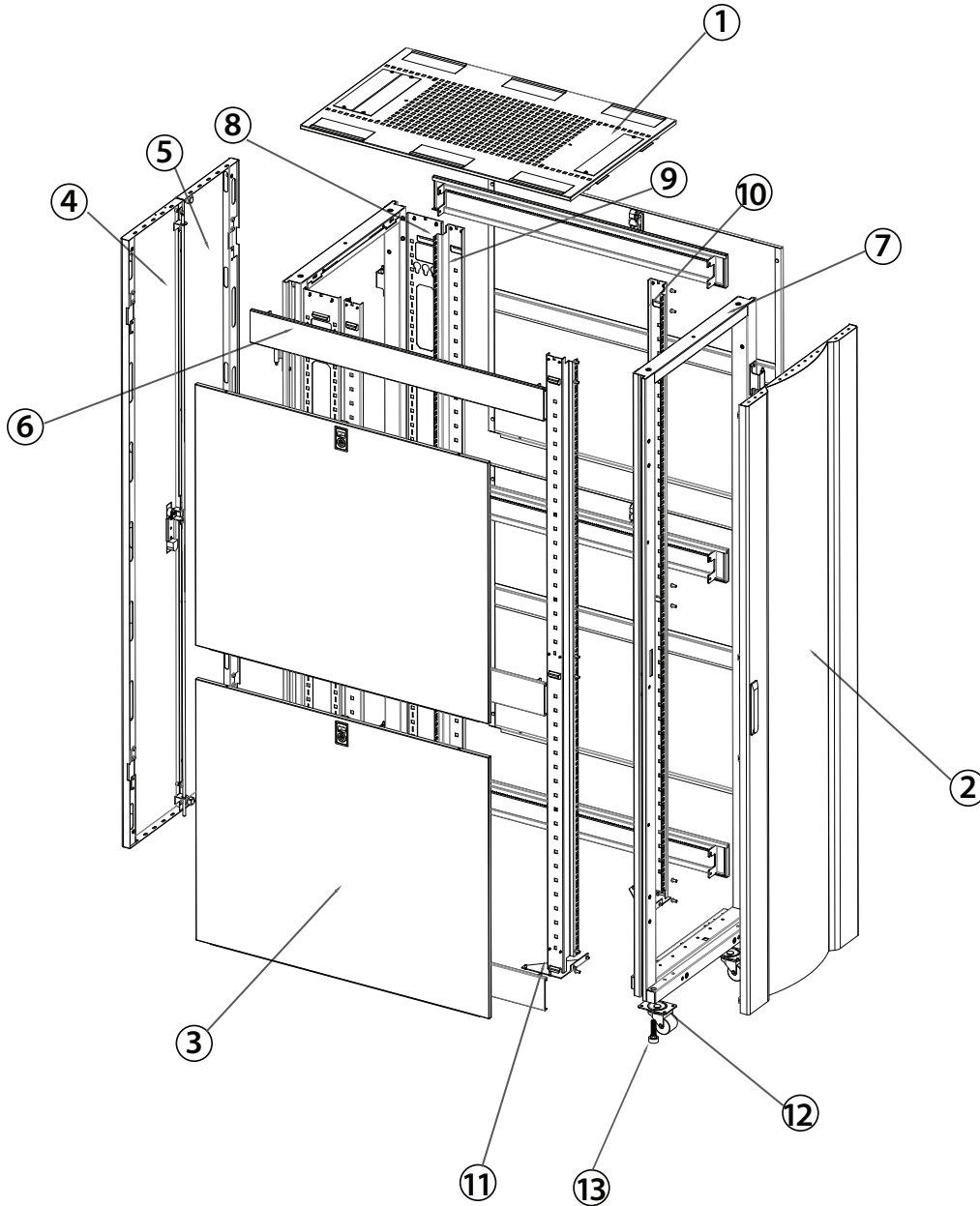
Not following these instructions carefully, it can result in death, serious injury, or equipment damage

Labels

Look for additional safety information affixed to the cabinet.

Component Identification

Cabinet



- ① Top cover
- ② Front door
- ③ Side Door
- ④ Right rear
- ⑤ Left rear
- ⑥ Beam Welded Body

- ⑦ Door frame
- ⑧ Cable management rack
- ⑨ Left bracket
- ⑩ Cabinet reinforcement plate
- ⑪ Right bracket
- ⑫ 2 inch casters
- ⑬ M12 leveling feet

Hardware and Accessories



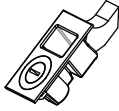
M6 Phillips-Head Screw (50)



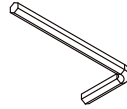
M6 Cage Nut (50)



Cup Washer (50)



Retention Tab*



Allen Wrench



Key (2)

To ensure proper and secure installation, cage nuts need to be installed horizontally as shown below. Installing cage nuts in the incorrect orientation can cause injury or equipment damage.



Cabinet Installation

Move the Cabinet

WARNING

TIP/ HEAVY EQUIPMENT HAZARD

- Be extremely cautious when moving or unpacking this rack/cabinet.
- When moving or unpacking this cabinet. Two people are preferred and are required to move and unpack the cabinet.
- Before moving the cabinet on its casters, place a load 159 kg (350 lb) of equipment such as servers or storage equipment into rack at the bottom of the cabinet for additional stability.
- Make sure the leveling feet are up when moving or pushing the cabinet. **DO NOT** push the cabinet from its sides.

Not following these instructions carefully, it can result in death, serious injury, or equipment damages.

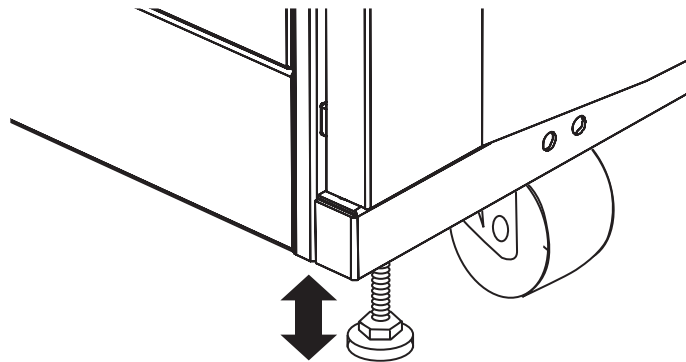
Level the Rack Cabinet

The leveling feet at the corners of the equipment provide a stable base if the floor is uneven, but they cannot compensate for a badly sloped surface. Ensure the cabinet is in its intended location. Remove the front and rear doors.

NOTE: Before removing the front door, unplug the ground wires and any other wire connections that may interfere with the removal of the doors.

NOTE:

- Use an 18 mm open-end wrench to lower each leveler A until it reaches the floor. (There are 4 levelers, 2 at the front and 2 at the rear.) Make sure each leveler contacts the floor solidly.
- Adjust each foot and, using a level, adjust the feet until the cabinet is level and plumb. Do not install the doors until after the cabinet is joined to others in the row.



Note: Lower a leveler by turning it clockwise; raise a leveler by turning it counter-clockwise.

Join the Cabinets

Join cabinets with the baying brackets option kit included with the SolidRack 42U. Which will provide alignment and added stability. SolidRack AR3100 cabinets may be joined with or without the side panels installed.

WARNING

TIP HAZARD

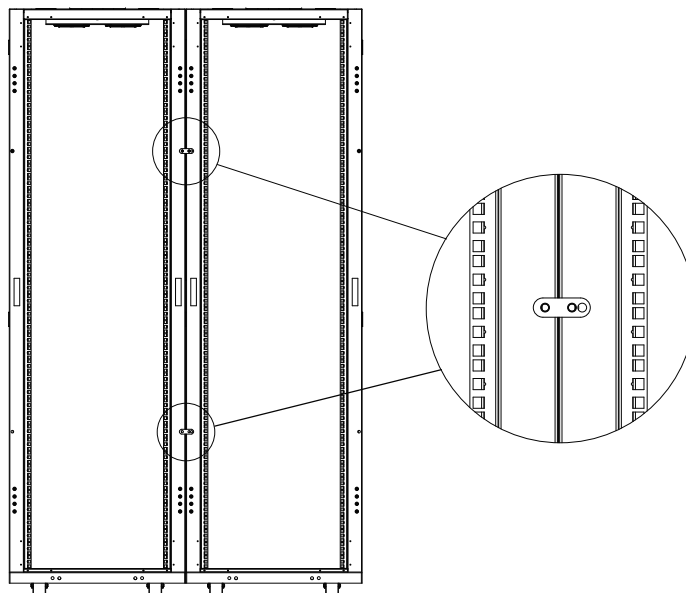
If multiple racks are used, joining cabinets provides limited stability to the cabinets. Secure the cabinet to the floor before installing equipment. Please follow these instructions very carefully. Failure to follow these instructions can result in death, serious injury, or equipment damage.

Enclosures within the same row can be connected together by using the included brackets. Side panels can be removed for access between enclosures but is not necessary. There are two connecting brackets on the front and two on the rear of each enclosure.

1. Align the enclosures that will be connected together.
2. Remove the enclosure doors.

NOTE: See the Remove Front and Rear Doors section for instructions.

3. Remove a connecting bracket, shown below. Align the connecting bracket between the enclosures such that each end can screw into the other enclosure. Repeat this step for all connecting brackets. Each pair of enclosures should be connected together by two front and two rear brackets.



Ground the Cabinet

DANGER

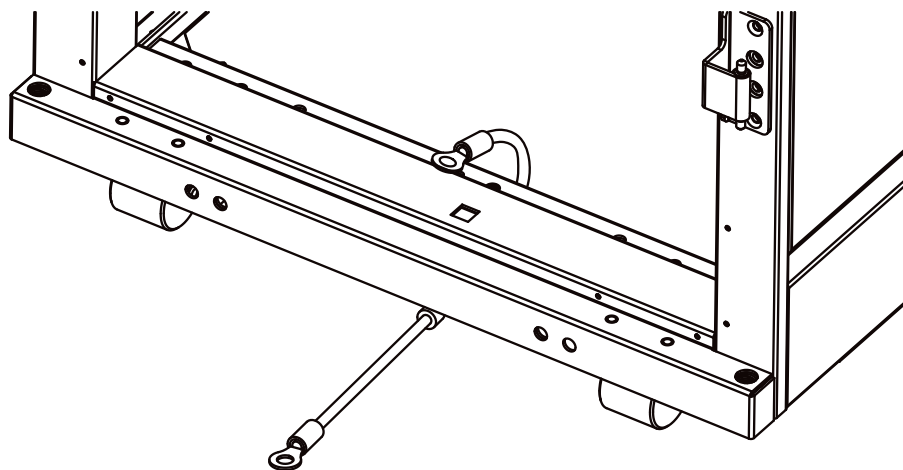
HAZARD OF ELECTRIC SHOCK

Connection of the cabinet to building Common Bonding Network (CBN) is required.

Failure to follow these instructions will result in death or serious injury.

Please note that each cabinet should be bonded directly to a common ground using one of the designated grounding points (M6 threaded inserts) at the bottom of the cabinet.

- All enclosure doors have a pre-installed ground wire connected to the enclosure frame.
- To connect the enclosure to facility's ground, please use the reserved grounding holes on the base of the front or rear door frame.
- Install an 8 AWG wire with the included M6 screw, and connect the other side of the wire to the facility's grounding point.

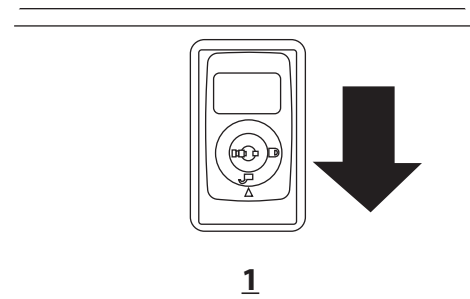


Install & Remove Side Panels

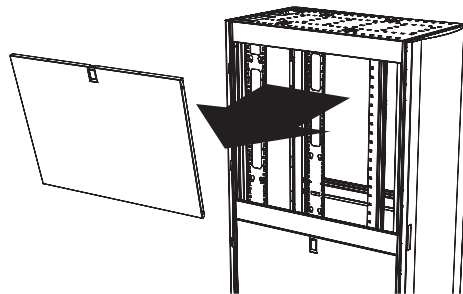
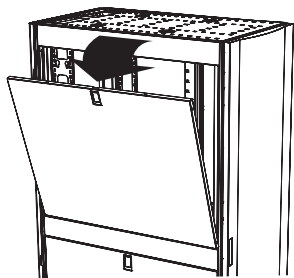
Adding or Removing Side Panels

Removing Side Panel

- 1- Open the latch by sliding it downward.
- 2- Tilt the top of the panel away from the enclosure.
- 3 Lift the panel away from the brace that supports it.

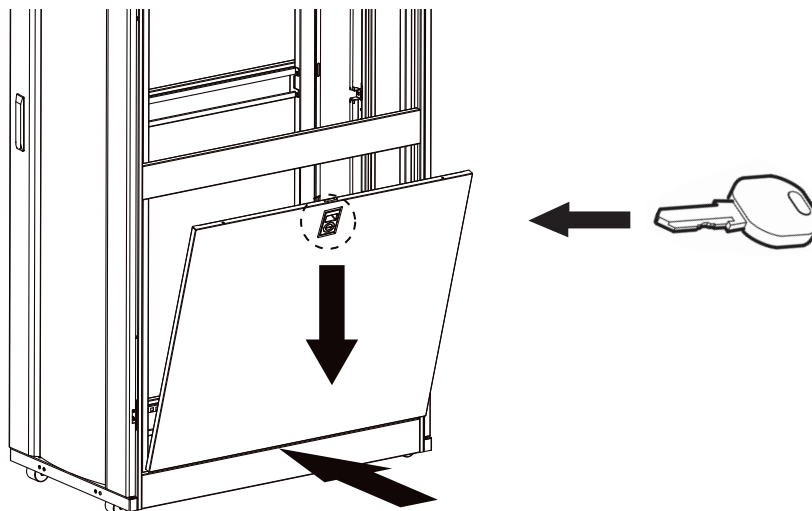


To Reinstall Side Panel, Reverse Steps 1-3



Door and Side Panel Locks

The front door, rear door and side panel locks are keyed-alike. Use the included keys to operate the locks.



Five-Year Factory Warranty

Rocstor provides a Limited Factory Warranty which applies to products you have purchased for commercial or industrial use in the ordinary course of your business.

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Rocstor warrants its SolidRack product series to be free from defects in materials and workmanship for a period of five years from the date of purchase. Rocstor's obligation under this warranty coverage is limited to repairing or replacing, at its sole discretion, any such defective products. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. In the event Rocstor repairs or provide a replacement of a defective product or part, the warranty does not extend the original warranty period. Rocstor reserves the right to repair or replace any parts under warranty as new or factory re manufactured.

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