



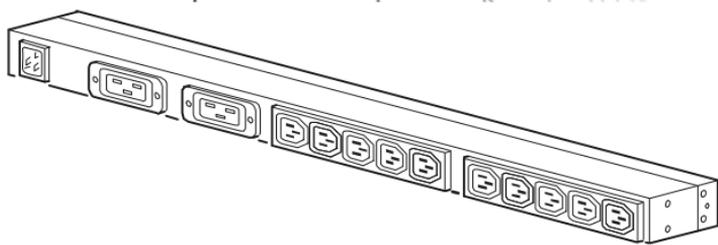
Synergy Global Technology Inc

www.RackmountMart.com

Installation

RA5112-C-16A-C20

**Basic Rack Power
Distribution Unit**



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Before You Begin

Safety and grounding information



Electrical Hazard: Read the following information before installing or operating your Power Distribution Unit (PDU).

- This PDU is intended for indoor use only.
- Do not install this PDU where excessive moisture or heat is present.
- Never install any wiring, equipment, or PDU during a lightning storm.
- Plug this PDU into a three-wire, grounded power outlet only. The power outlet must be connected to appropriate branch circuit/mains protection (fuse or circuit breaker). Connection to any other type of power outlet may result in a shock hazard.
- Use only the supplied brackets for mounting.
- Do not use an additional extension cord or adapter with the primary power cord.
- Do not work alone under hazardous conditions.
- Check that the power cord, plug, and socket are in good condition.
- To reduce the risk of electric shock when you cannot verify grounding, disconnect the PDU from the power outlet before installing or connecting equipment. Reconnect it to the power outlet only after you have made all connections.
- Pluggable equipment includes a protective earth connector, which carries the leakage current from the load devices (computer equipment). Do not exceed a total leakage current of 3.5 mA.
- Do not handle any kind of metallic connector before the power has been removed.
- Use one hand, whenever possible, to connect or disconnect signal cables to avoid a possible shock from touching two surfaces with different grounds.
- This unit does not have any user-serviceable parts. Repairs are to be performed only by factory-trained service personnel.
- Always install the equipment as shown in the Installation Manual.

How to Install the Rack PDU

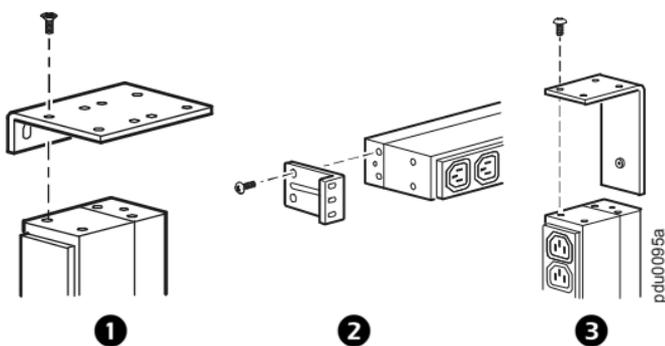
Mounting options

You can use choose three different options for mounting your PDU in an enclosure, depending on your preferences and the type of enclosure. All options require that you first attach mounting brackets to the PDU.

- Vertical mounting
 - For any standard 19-in rack, you can attach the brackets to the enclosure using the screws provided.
 - For a NetShelter VX enclosure (AR2100 series), you can mount the brackets to the enclosure by snapping them into place (toolless mounting).
- Horizontal mounting: For any NetShelter enclosure, you can mount the brackets to the enclosure using the screws provided. Horizontal mounting uses 1 U-space.

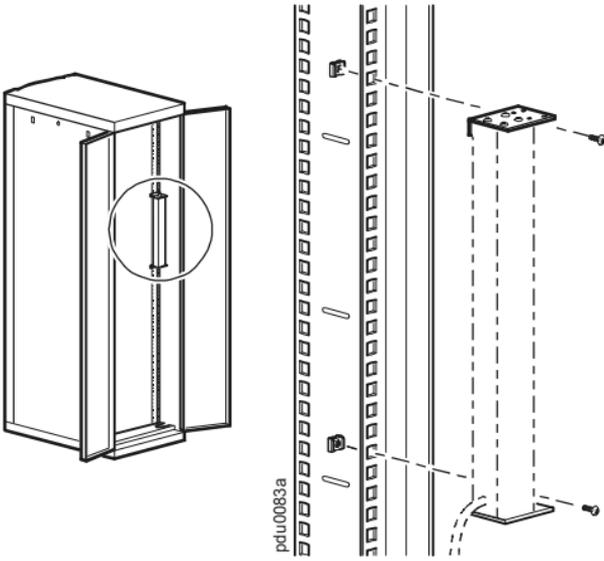
Attaching brackets to the PDU

1. Decide where and how you will mount the PDU in the enclosure. (See the figures on the following pages.)
2. Choose the appropriate mounting brackets, as shown below, for the option you chose:
 - for 19-in vertical mounting **1**
 - for horizontal mounting **2**
 - for toolless mounting **3**
3. Attach the brackets to the unit using four flat-head Phillips screws (provided) for each bracket.

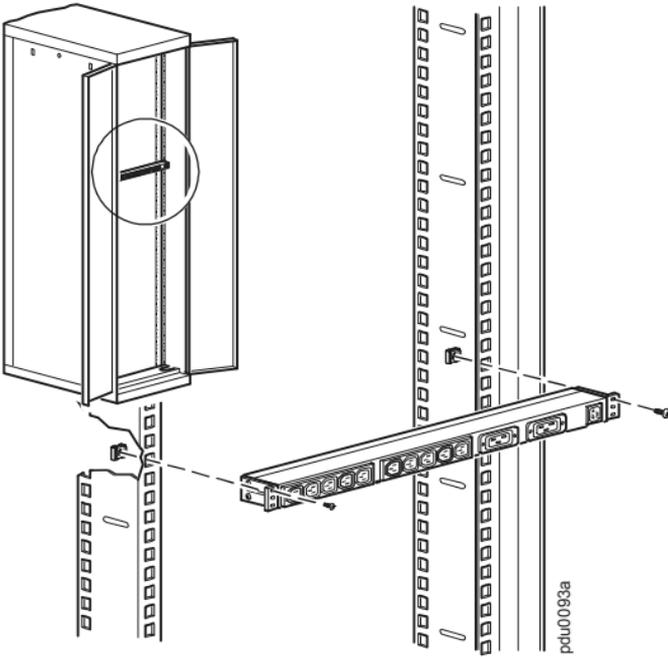


Mounting the PDU (using screws)

Vertical-mount (19-in).



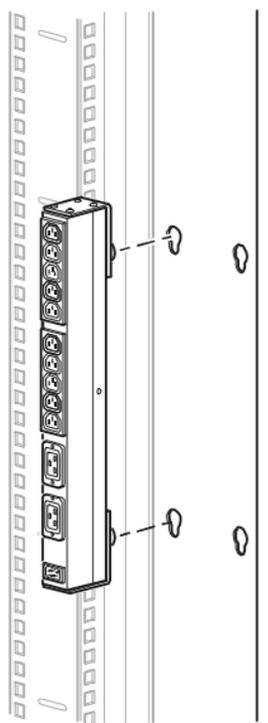
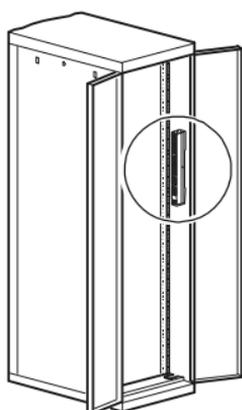
Horizontal-mount (1 U-space).



Mounting the PDU (toolless mounting)

This option for mounting the PDU is available for NetShelter VX enclosures only.

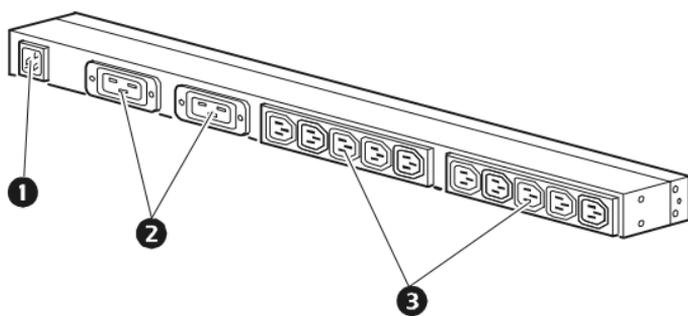
1. Holding the PDU in the direction shown below, slide the mounting pegs into the holes provided in the channel in the rear panel of the enclosure.
2. Snap the PDU into place by pushing it downward until it locks into position.



pdu0092a

Operation

Overview



- 1** Input IEC-320-C20 input connector (16 A @ 240 V; 20 A @ 120 V) used with detached power cord (supplied).
- 2** Outlets Two (2) IEC-320-C19 outlets
- 3** Outlets Ten (10) IEC-320-C13 outlets

Specifications

Item	Specification
Power	
Input voltage range:	120–240 V
Maximum current draw:	208 V @ 12.8 A (UL, CUL) 120 V @ 16 A (UL, CUL) 240 V @ 16 A (VDE)
Physical	
Dimensions (L × W × D):	17.60 × 1.75 × 2.25 in (44.70 × 4.45 × 5.72 cm)
Weight:	2.15 lb (0.98 kg)
Environmental	
Elevation (above MSL): Operating Storage	0 to 10,000 ft (0 to 3000 m) 0 to 50,000 ft (0 to 15 000m)
Temperature: Operating Storage	32 to 113° F (0 to 45° C) –13 to 149° F (–25 to 65° C)
Relative humidity: Operating Storage	0 to 95%, non-condensing 0 to 95%, non-condensing
Approvals/Standards	
UL, CUL, VDE	