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POWERWARE® RAIL KIT

4-Post

User's Guide

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RAIL KIT INSTALLATION

The UPS rail kit includes a pair of adjustable rail assemblies, adapter plates, and other hardware. The rail assemblies adjust to mount in 19-inch panel racks from 24 to 30 inches deep. The adapter plates allow you to install the following rack types:

- 0.375 square hole
- 0.281 diameter round hole
- 10-32 threaded hole
- M5 threaded hole
- M6 threaded hole

Required Tools and Parts

Before installing the rail kit, verify that you have a Phillips screwdriver and all the necessary hardware listed in the following tables. Table 1 lists the parts supplied in the kit; Table 2 lists the parts that you need to supply.

Table 1. Supplied Parts

Rack Type	Rail Assemblies	Adapter Plates	Front Rail Screws	Front Panel Screws	Tiedown Hardware
0.375 Rack	2	2 (attached, -5*)	2 Truss-Head, 10-32 x 1/2"	4 Truss-Head, 10-32 x 1/2"	2 Clips and 2 L-Brackets 2 PHMS, 8-32 x 1/4"
0.281 Rack	2	2 (-6*)	2 Truss-Head, 10-32 x 1/2"	4 Truss-Head, 10-32 x 1/2"	2 Clips and 2 L-Brackets 2 PHMS, 8-32 x 1/4"
10-32 Rack	2	2 (-7*)	2 Truss-Head, 8-32 x 1/2"	4 Truss-Head, 10-32 x 1/2"	2 Clips and 2 L-Brackets 2 PHMS, 8-32 x 1/4"
M5 Rack	2	2 (-7*)	2 Truss-Head, 8-32 x 1/2"	Not Provided	2 Clips and 2 L-Brackets 2 PHMS, 8-32 x 1/4"
M6 Rack	2	2 (-7*)	2 Truss-Head, 8-32 x 1/2"	Not Provided	2 Clips and 2 L-Brackets 2 PHMS, 8-32 x 1/4"

*The adapter plates have an engraved number (-5, -6, or -7) that corresponds with the rack type.

Table 2. Customer-Supplied Parts

Rack Type	Hardware Usage	Hardware Needed
0.375 Rack	Rear Rail Screws and Nuts	Six (6) 10-32 x 3/8" Truss-Head Screws Six (6) 10-32 Box Nuts
0.281 Rack	Rear Rail Screws and Nuts	Six (6) 10-32 x 3/8" Truss-Head Screws Six (6) 10-32 Clip Nuts
10-32 Rack	Rear Rail Screws	Six (6) 10-32 x 3/8" Truss-Head Screws
M5 Rack	Rear Rail Screws	Six (6) M5 x 8 Truss-Head Screws
	Front Panel Screws	Four (4) M5 x 12 Truss-Head Screws
M6 Rack	Rear Rail Screws	Six (6) M6 x 8 Truss-Head Screws
	Front Panel Screws	Four (4) M6 x 12 Truss-Head Screws

Installing the UPS Rail Kit

The following steps explain how to install the UPS rail kit.

1. For 0.375 rack types, skip to Step 3.
2. For all other rack types, remove the 0.375 adapter plates from both rack assemblies (see Figure 1).

Install the adapter plates for your rack type.

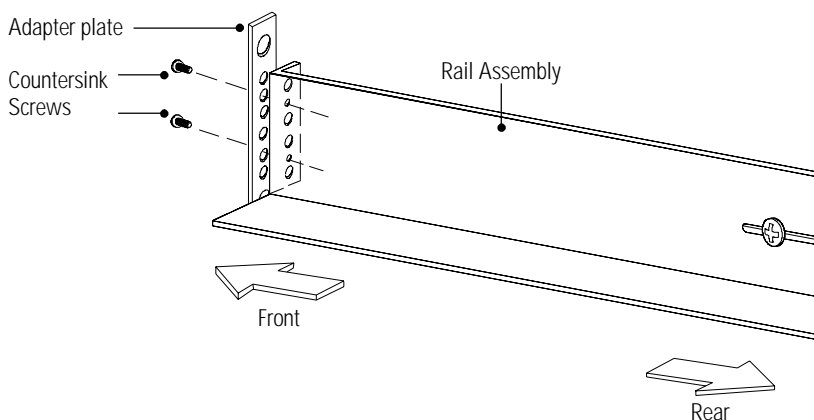


Figure 1. Changing the Adapter Plate

3. Loosen the assembly screws on both rail assemblies and adjust the rail size for the depth of your rack (see Figure 2).

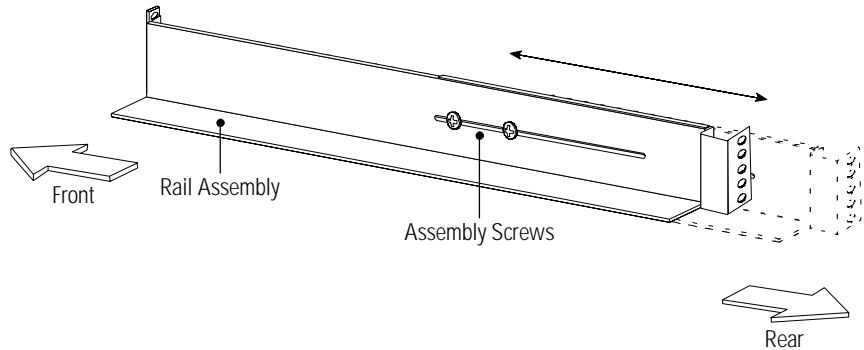


Figure 2. Adjusting the Rail Depth

4. For 0.281 and 0.375 installations only, install three box or clip nuts in the rear of each assembly (see Figure 3).
5. Secure both rail assemblies to the rack with three rear rail screws (see Figure 3).
6. Secure both rail assemblies to the rack with front rail screws at position 3 (see Figure 3).
7. Tighten assembly screws on both rail assemblies.

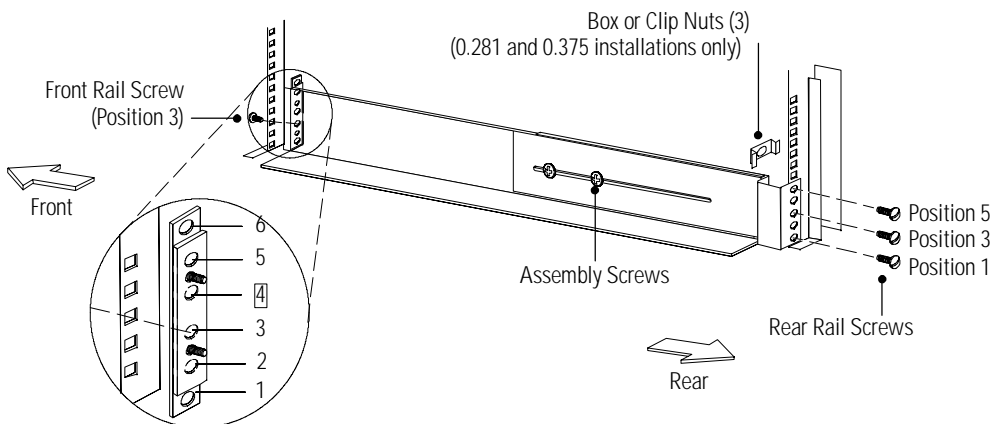


Figure 3. Securing the Rail Assembly

8. After installing the UPS chassis, secure the front of the UPS to the rack using the front panel screws (see Figure 4).

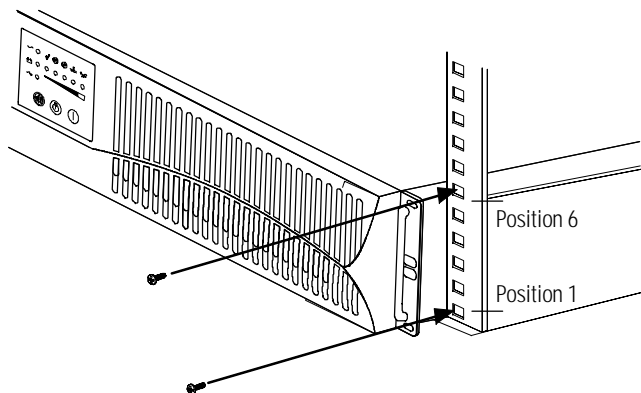


Figure 4. Securing the Front Panel

9. **Powerware 9125 only.** Remove the two bottom corner screws from the UPS rear panel and retain.
10. Secure the back of the UPS to the rails with the supplied tiedown clips or brackets and screws (see Figure 5). The UPS is now secured in the rack.

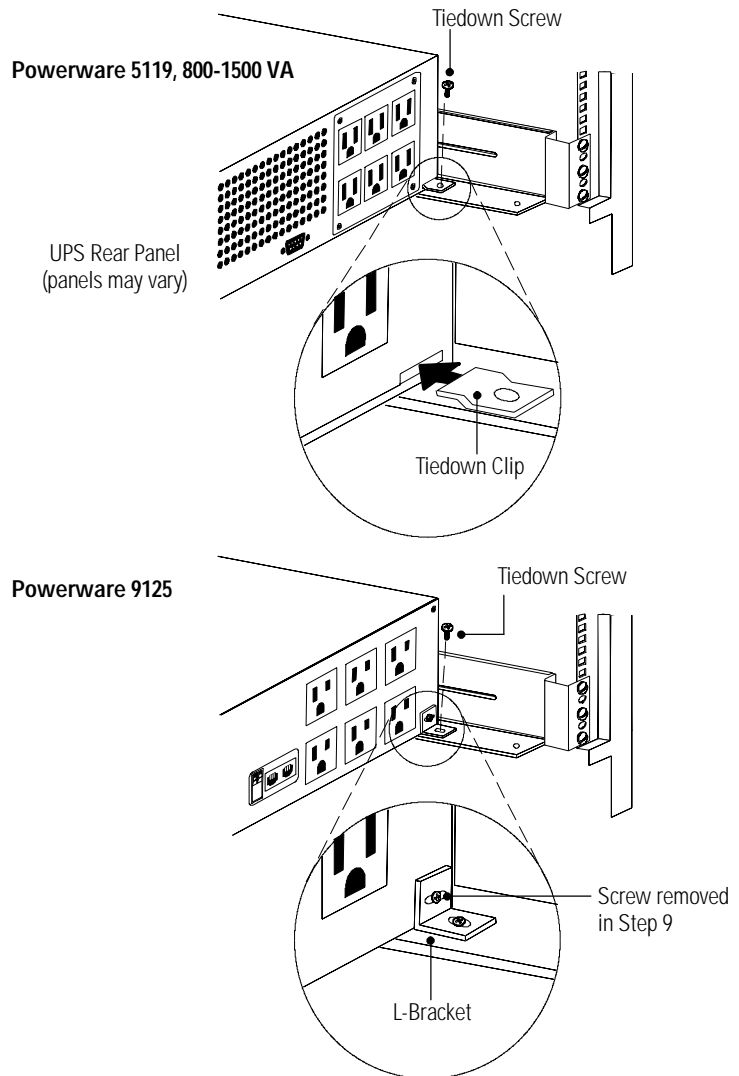


Figure 5. Securing the Back of the UPS