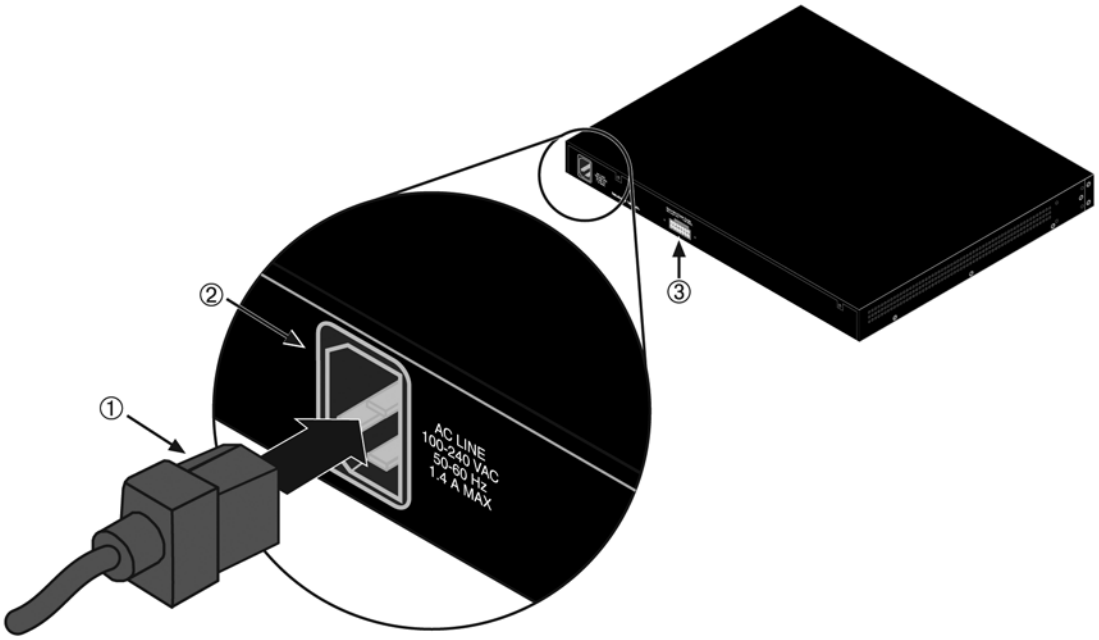
Figure 2-5 Switch Rear View



1 AC power cord **2** AC power connector **3** Redundant power supply connector

3. Observe that the power CPU LED (not shown), located on the front panel. During the initialization, the CPU LED will start by illuminating solid amber, then start blinking green, then blinking amber, then blinking green again until the end of the initialization, and then turns solid green.

Note: If the CPU LED illuminates solid red, there was a critical failure. For more information about the LED indications and troubleshooting, refer to Chapter 3, **Troubleshooting**. If you need additional help, contact Enterasys Networks. Refer to "Getting Help" on page xvii for details.

If the switch is a standalone switch, it will take approximately 30 seconds for the switch to start up. If the switch is a stack manager, it can take up to 3 minutes or more to initialize all the switches in the stack, depending on the number of member switches in the stack.

Installing and Connecting a Redundant Power System

You can use the STK-RPS-150PS, a 150W redundant power supply for A4 models.

Note: The STK-RPS-150PS is a replacement for the C2RPS-PSM. If you already have a C2RPS-PSM power supply, it can be used in place of the STK-RPS-150PS.

STK-RPS-150PS

The STK-RPS-150PS can be used as a standalone unit, or you can install an STK-RPS-150PS in the following RPS shelves:

- STK-RPS-150CH2, a two-slot chassis
- STK-RPS-150CH8, an eight-slot chassis

Note: The STK-RPS-150PS can also be installed in the old two-slot and eight-slot chassis, C2RPS-CHAS2 and C2RPS-CHAS8.

Required Tools

A flat-blade screwdriver is required to install the STK-RPS-150CH2 or STK-RPS-150CH8 shelf and STK-RPS-150PS power supplies.

Unpacking the Shelf and Power Supply

The shelf and the power supply are shipped separately. To unpack these devices proceed as follows:

1. Open the box and remove the packing material protecting the shelf or power supply.
2. Verify the contents of each carton and compare the contents shipped with those listed in Table 2-1, Table 2-2, and Table 2-3.
3. Perform a visual inspection of the components for any signs of physical damage. Contact Enterasys Networks if there are any signs of damage. Refer to "Getting Help" on page xvii for details.

Table 2-1 Contents of STK-RPS-150CH2 Carton

Item	Quantity
STK-RPS-150CH2	1
Quick Reference	1

Table 2-2 Contents of STK-RPS-150CH8 Carton

Item	Quantity
STK-RPS-150CH8	1
Quick Reference	1

Table 2-3 Contents of STK-RPS-150PS Carton

Item	Quantity
STK-RPS-150PS 150 watt DC power supply	1
USA, NEMA power cord	1
RPS cable (1 meter in length)	1
Notice card	1

Installing an STK-RPS-150PS Into a Shelf

Caution: Observe all Electrostatic Discharge (ESD) precautions when handling sensitive electronic equipment.

Precaución: Al trabajar con equipos electrónicos sensibles, tome todas las precauciones de seguridad para evitar descargas de electricidad estática.

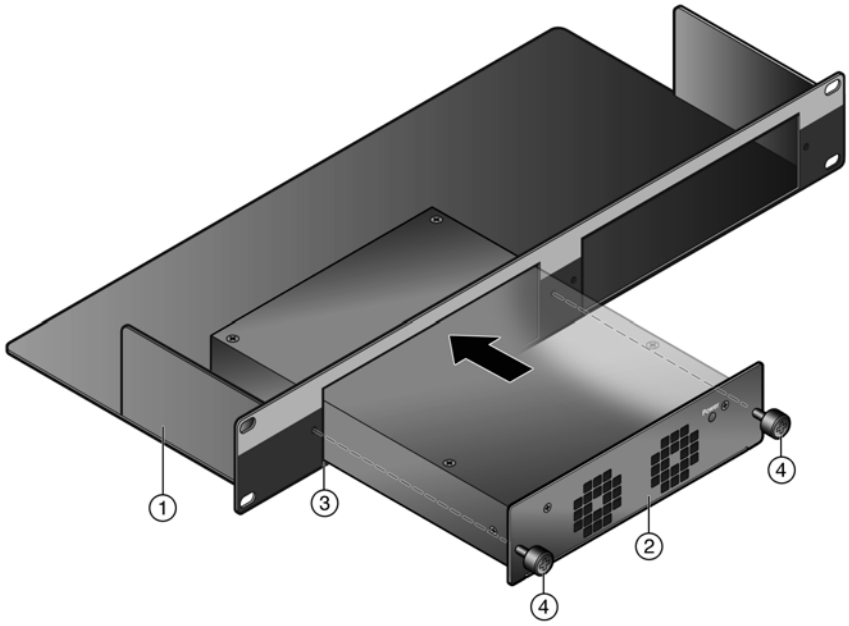
If you are using the STK-RPS-150PS as a standalone unit, go to "Connecting the RPS Cable and AC Power Cord" on page 2-16.

When you receive your STK-RPS-150CH8 shelf, a coverplate will be in place over each power-supply slot.

To install the power supplies, refer to Figure 2-6 or Figure 2-7 and proceed as follows:

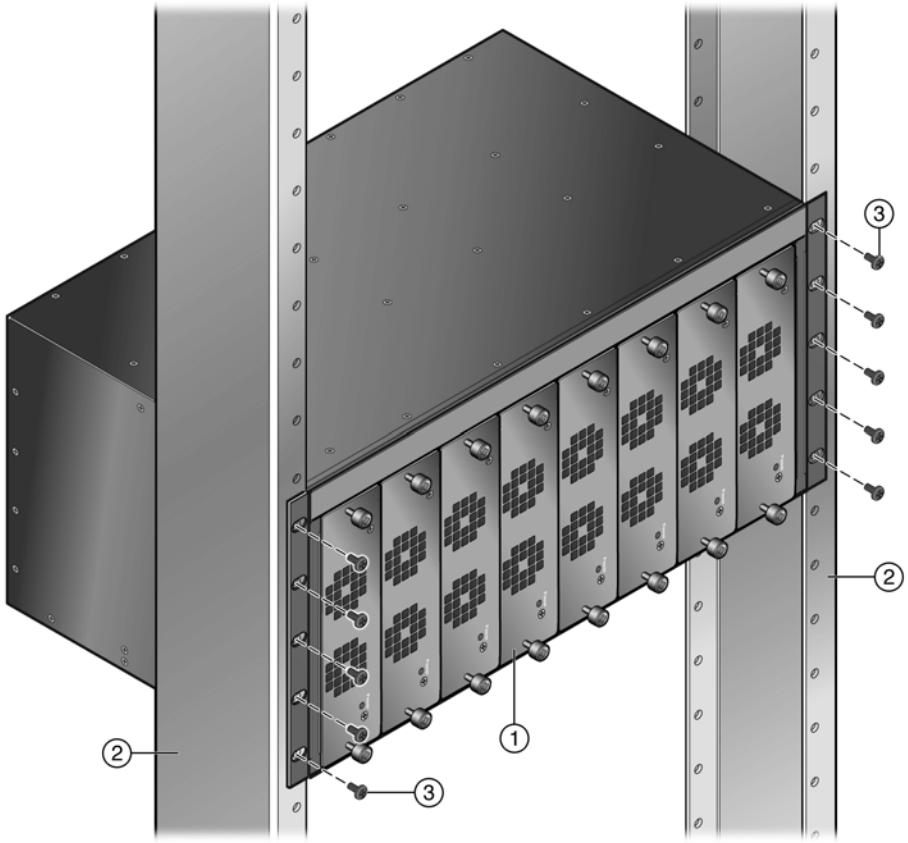
1. Place the chassis on a sturdy flat surface where you plan to install power supplies.
2. Align the power supply with one of the slots, then slide the power supply forward until its front panel is flush against the chassis front panel.
3. Fasten the power supply to the chassis using the captive screws on the PSM front panel.
4. Repeat steps 2 and 3 for each additional power supply.
5. Proceed to "Installing the Shelf into the Rack" on page 2-14 for the rack mount installation instructions.

Figure 2-6 STK-RPS-150PS Installation in an STK-RPS-150CH2 Shelf



1 STK-RPS-150CH2 shelf
2 STK-RPS-150PS power supply
3 Shelf power supply slot
4 Captive screws (2)

Figure 2-9 Fastening the STK-RPS-150CH8 to the Rack



1 STK-RPS-150CH8 chassis
2 Rails of 19-inch rack
3 Mounting screws

Connecting the RPS Cable and AC Power Cord

The redundant power supply is connected to the A4 switch using a 1 meter RPS cable.

To connect a redundant power supply, proceed as follows:

1. Using a Phillips screwdriver, remove the cover from the redundant power supply connector on the A4 switch.
2. Connect one end of the RPS cable to the redundant power supply connector on the A4 switch. Then connect the other end of the cable to the redundant power supply connector at the rear of the RPS as shown in Figure 2-10.
3. Connect the AC power cord to the AC input power connector on the RPS shown in Figure 2-11, then plug the AC power cord into the main AC power outlet.

   The green Power LED on the front of the RPS will illuminate to indicate a successful connection. If the LED remains off, proceed as follows:

   a. Check the AC power cord connection at the AC power source and make sure the power source is within specification.

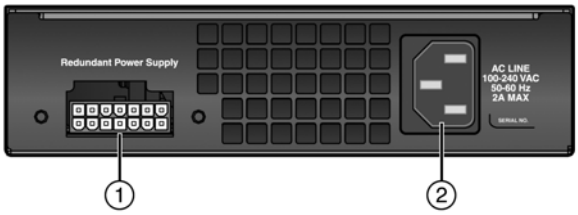
   b. Check the AC power connection to the RPS.

   c. Swap the AC power cord with a known good one.

   d. If the green LED continues to remain off, contact Enterasys Networks. Refer to “Getting Help” on page xvii for instructions. Otherwise, proceed to step 4.

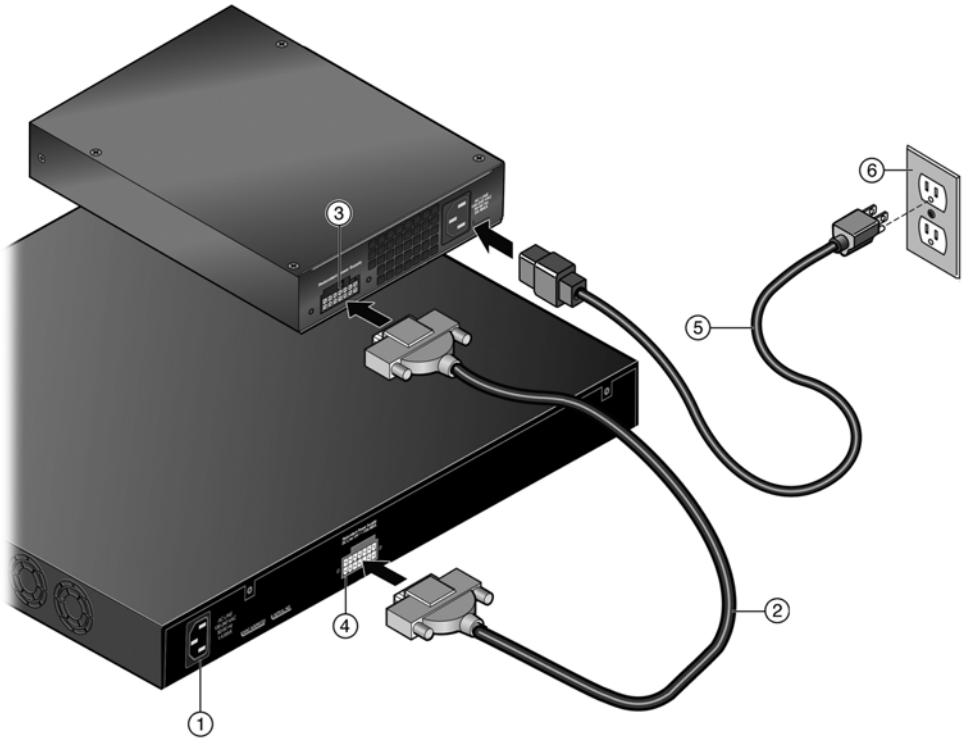
Note: No change in switch configuration is necessary for this installation.

Figure 2-10 Power Connectors on STK-RPS-150PS (rear view)



1 Redundant power supply connector
2 AC power connector

Figure 2-11 STK-RPS-150PS RPS Cable and AC Power Cord Connections



1 A4 switch
2 RPS cable (1 meter long)
3 STK-RPS-150PS redundant power supply connector
4 A4 switch redundant power supply connector
5 AC power cord (type varies depending on country)
6 AC power outlet with ground connection (type varies depending on country)

4. If the switch itself is not plugged into power, the front panel RPS LED indicator will show that a redundant power supply is now in operation.

Note: No change in switch device configuration is necessary for this installation.

This completes the installation.

STK-RPS-150PS Specifications

Table A-5 provides the specifications for the STK-RPS-150PS.

Table A-5 STK-RPS-150PS Specifications

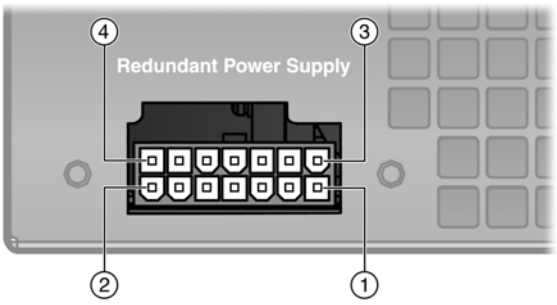
Item	Specification
Electrical	
AC Input Frequency Range	47–63 Hz
AC Input Voltage Range	85–264 Vac
Output Voltage	12 Vdc
Output Current	1.0 A min., 8.5 A or 13.0 A max.
Maximum Output Power	102 W or 156 W continuous
Physical	
Dimensions	19.6 H x 5.2 W x 25.7 D (cm) 7.7 H x 2.04 W x 10.1 D (in.)
Net Weight (Unit Only)	1.75 kg (3.85 lb)
Gross Weight (Packaged Unit)	3.20 kg (7.04 lb)
MTBF	300,000 Hours

STK-RPS-150PS Redundant Power Supply Connector

For pin location and function, refer to Figure A-1 and Table A-6, respectively.

Note: The following information is for troubleshooting purposes only. For proper operation, do not use any other cable except the RPS cable supplied with the STK-RPS-150PS. This cable is specially designed for this application and meets all necessary regulatory and safety standards. The use of non-approved cables will void your warranty.

Figure A-1 STK-RPS-150PS Power Supply Connector Pin Locations



1 Pin 1 **2** Pin 7 **3** Pin 8 **4** Pin 14