

Connecting AC Power to an EX-series Switch

The power supply in an EX 3200 or EX 4200 switch is a hot-removable and hot-insertable field-replaceable unit (FRU) located on the rear panel.



CAUTION: To meet safety and electromagnetic interference (EMI) requirements and to ensure proper operation, you must connect EX 3200 and EX 4200 switches to earth ground before you connect them to power. For installations that require a separate grounding conductor to the chassis, use the protective earthing terminal on the switch chassis to connect to the earth ground. For instructions on connecting earth ground, see *Connecting Earth Ground to an EX-series Switch*. An EX-series switch gets additional grounding when you plug the power supply in the switch into a grounded AC power outlet by using the AC power cord appropriate for your geographical location (see *AC Power, Connection, and Power Cord Specifications—EX 3200 and EX 4200 Switches*).

Ensure that you have the following parts and tools available to connect AC power to an EX 3200 or EX 4200 switch:

- Electrostatic discharge (ESD) grounding strap
- Power cord appropriate for your geographical location

Before you begin connecting AC power to an EX 3200 or EX 4200 switch:

- Ensure that you have taken the necessary precautions to prevent ESD damage (see *Prevention of Electrostatic Discharge Damage on EX-series Switches*).
- Ensure that you have connected the switch chassis to earth ground.



CAUTION: Before you connect power to the switch, a licensed electrician must attach a cable lug to the grounding and power cables that you supply. A cable with an incorrectly attached lug can damage the switch (for example, by causing a short circuit).

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- Install the power supply in the chassis. For instructions on installing a power supply in an EX 3200 or EX 4200 switch, see *Installing a Power Supply in an EX 3200 or EX 4200 Switch*.

To connect AC power to an EX 3200 or EX 4200 switch:

1. Attach the electrostatic discharge (ESD) grounding strap to your bare wrist, and connect the strap to the ESD point on the chassis.
2. Ensure that the power supplies are fully inserted in the chassis and the screws on their faceplates are tightened.
3. Squeeze the two sides of the power cord retainer clip, and insert the L-shaped ends of the wire clip into the holes in the bracket on each side of the AC appliance inlet on the AC power supply faceplate (see Figure 1 on page 2).
4. Locate the power cord or cords shipped with the switch; the cords have plugs appropriate for your geographical location. See AC Power, Connection, and Power Cord Specifications—EX 3200 and EX 4200 Switches.
5. Insert the coupler end of the power cord into the AC appliance inlet on the AC power supply faceplate.
6. Push the cord into the slot in the adjustment nut of the power cord retainer. Turn the nut until it is tight against the base of the coupler and the slot in the nut is turned 90° from the top of the switch (see Figure 2 on page 2).
7. If the AC power source outlet has a power switch, set it to the OFF (0) position.
8. Insert the power cord plug into an AC power source outlet.
9. If the AC power source outlet has a power switch, set it to the ON (I) position.
10. Verify that the AC OK LED on the power supply is lit and is on steadily.

Figure 1: Connecting the AC Power Cord Retainer Clip to an AC Power Supply in an EX 3200 or EX 4200 Switch

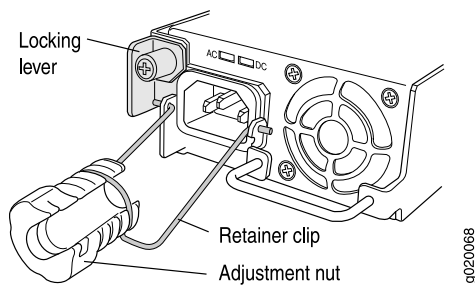
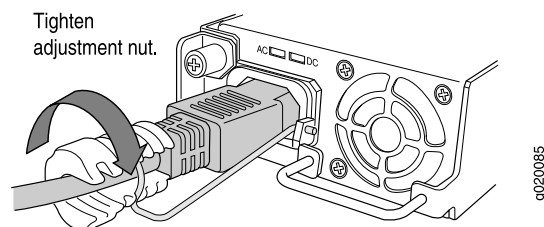


Figure 2: Connecting an AC Power Cord to an AC Power Supply in an EX 3200 or EX 4200 Switch



NOTE: Each power supply must be connected to a dedicated power source outlet.



WARNING: Ensure that the power cord does not block access to switch components or drape where people can trip on it.

AC Power Supply LEDs in EX 3200 and EX 4200 Switches describes the LEDs on the AC power supplies in EX 3200 and EX 4200 switches.

Related Topics

- Connecting and Configuring an EX-series Switch (CLI Procedure)
- Connecting and Configuring an EX-series Switch (J-Web Procedure)
- Power Supply in EX-series Switches
- Connecting DC Power to an EX 3200 or EX 4200 Switch

