

6

Powering Up the System

This chapter provides instructions for powering up the system and information on electrical specifications.

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Before You Power Up the System

Before powering up the system, you should complete the tasks shown in Table 6-1. Refer to the appropriate chapters in this guide for information about these tasks.

Table 6-1 Installation tasks

Installation Task	Reference
Install an SRP module and SRP I/O module in slot 6 or 7 in the ERX-1400 series chassis or slot 0 or 1 in the ERX-700 series chassis.	<i>Chapter 3, Installing ERX Modules</i>
Install the line modules and their corresponding I/O modules in the system.	<i>Chapter 3, Installing ERX Modules</i>
Cover unused slots with blank faceplates.	<i>Chapter 3, Installing ERX Modules</i>



Warning: Be sure the power source is turned off and the system is turned off before performing the next task.

Table 6-1 Installation tasks (continued)

Installation Task	Reference
Connect DC power (–48 VDC) to the power input lugs on the power input module.	<i>Chapter 4, Cabling the ERX System</i>
Connect a management console to the system.	<i>Chapter 5, Accessing the ERX System</i>
(Optional) Connect the 10/100Base-T port to the network.	<i>Chapter 5, Accessing the ERX System</i>

Powering Up

This procedure assumes that the system is already connected to a DC power source. See *Chapter 4, Cabling the ERX System*.

For specifications on the electrical requirements for the system, see *Appendix A, System Specifications*. For details on the power consumed by the different ERX modules, see *Appendix B, Module Specifications*.



Branch Circuit Caution: Evaluate the overall loading of the branch circuit before you install any equipment into a rack.

To power up the system:

- 1 Turn on the power switches located on the power input module in the rear of the system. See Figure 6-1.
- 2 Monitor the LEDs on the front of the SRP modules to verify that the system is booting properly. See Table 8-2 in *Chapter 8, Troubleshooting*.

When the prompt appears on the system console, the system is in User Exec mode:

```
host1>
```

- 3 Enter the **enable** command to access the Privileged Exec mode:

```
host1>enable  
host1#
```

In Privileged Exec mode you can begin to configure the system. See the *ERX System Basics Configuration Guide, Chapter 2, Command Line Interface* for more information.

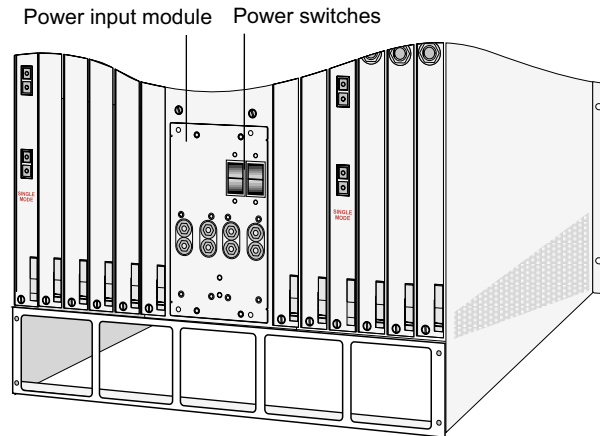


Figure 6-1 ERX-1400 series power switches

Initialization Sequence

Each ERX line module is initialized independently. As a result, the CLI on the SRP module may become available before the line modules have completed initialization. Commands relating to a line module may fail if the module has not completed initialization. The **show version** command can be used to display line module status. Do not enter commands for a line module until its state is “online.”

Status LEDs

For information on the system’s LEDs, see *Chapter 8, Troubleshooting*.

Powering Down

If you need to power down or remove the SRP module, first enter the **halt** command to temporarily suspend the system’s operation. See *ERX System Basics Configuration Guide, Chapter 4, Managing the System* for more information.



Caution: If you do not use the **halt** command before removing or powering down an SRP, the system’s NVS card may become corrupted.

If you shut down the system improperly, it will run an investigation of the file allocation table (FAT) next time it reboots.

The Next Step

If you have problems powering up the system, go to *Chapter 8, Troubleshooting*, for help.