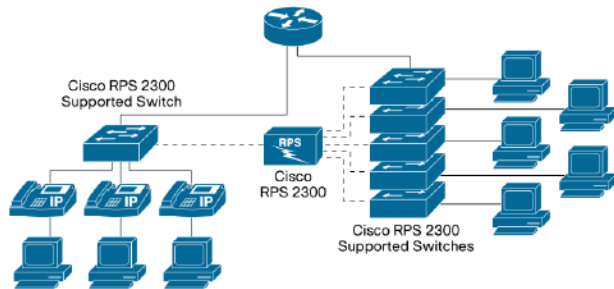


## Why Should I Care About the Cisco Redundant Power System 2300?

The Cisco Redundant Power System 2300 (Cisco RPS 2300) increases availability for converged data, voice, and video networks. The system delivers power supply redundancy and resiliency for a variety of switch and router power requirements, including Power over Ethernet (PoE). It helps ensure uninterrupted operation and protection against power supply failures by providing failover for Cisco switches and routers.

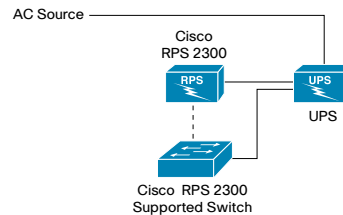


## What Problems need to be Solved?

When designing or upgrading a wiring closet, careful consideration should be given to power requirements, particularly for PoE deployments. A power architecture can be selected based on the level of availability desired. The primary power faults to protect against include:

- Internal power supply failures in network devices
- AC circuit failure, such as a circuit breaker tripping
- Interruption of utility power

The Cisco RPS 2300 can address the first two faults. The last requires an uninterruptible power supply (UPS). For maximum availability, the Cisco RPS 2300 should always be used in conjunction with a UPS.



## Flexibility and High Availability

The Cisco RPS 2300 can provide complete internal power supply redundancy for up to two attached networking devices. It has two power supply bays in a 1 rack-unit form factor, and can accept 1150W AC or 750W AC power supply modules. These power supply modules are also used with Cisco Catalyst® 3750-E and 3560-E Series Switches. With two 1150W AC power supplies, the RPS 2300 is capable of fully backing up two 48-port switches, delivering 15.4W of PoE on all ports. The Cisco RPS 2300 also has a replaceable fan module.



## Ease of Use

When connected to Cisco Catalyst 3750-E and 3560-E Series Switches, the Cisco RPS 2300 offers enhanced capabilities to manage power supply redundancy, including remotely placing the RPS or any of the six individual DC ports in active or standby mode. The default failover behavior for the RPS is “first-come, first-served”. Default priorities can be overridden with a programmable priority and higher-priority ports can be programmed to supersede lower priority ports. This feature gives the network administrator the flexibility to define the RPS failover policy.

The Cisco RPS 2300 supports switches like the Cisco Catalyst 3750-E, 3750, 3560-E, 3560, 3550, 2960, and 2950 Series Switches, and select Cisco Catalyst Express 500 Series PoE models. It is also compatible with Cisco Integrated Services Routers.

## What Are the Benefits of the Cisco RPS 2300?

### High Availability/Increased Network Uptime

- Avoids costly network downtime by preventing switch reboot after an internal switch power failure.
- Modular power supplies and a fan module offer enhanced availability.
- When backed up by a Cisco RPS 2300, the failed power supply of a Cisco Catalyst 3750-E or 3560-E Series Switch automatically reverts back to its own power supply and is reinstated without causing a switch reboot.
- Capable of providing AC source backup when separate circuits are used for the RPS and attached devices.

### Ease of Use and Ease of Deployment

- Modular power supplies offer configuration flexibility.
- 1-RU form factor provides for efficient wiring closet space utilization
- Configurable priorities and failover policy.
- Hot insertion of external devices and power supplies.

**Table 1. Ordering the RPS 2300**

Model Number	Product Description
<b>PWR-RPS2300</b>	RPS 2300 chassis
<b>C3K-PWR-1150WAC</b>	Catalyst 3750-E/3560-E 1150WAC power supply
<b>C3K-PWR-750WAC</b>	Catalyst 3750-E/3560-E 750WAC power supply
<b>BLWR-RPS2300=</b>	Spare 45CFM Blower for Cisco Redundant Power System 2300
<b>CAB-RPS2300-E=</b>	Spare RPS Cable RPS 2300 Cat 3750E/3560E Switches
<b>CAB-RPS2300=</b>	Spare RPS Cable for Cisco Redundant Power System 2300
<b>BLNK-RPS2300=</b>	Spare Bay Insert for Cisco Redundant Power System 2300
<b>ACC-RPS2300=</b>	Spare Accessory Kit for Cisco Redundant Power System 2300