

## 600-Watt Redundant AC Power System

WHILE SOFTWARE AND HARDWARE REDUNDANCY HAVE LONG BEEN A REQUIREMENT FOR THE CORE NETWORKS OF LARGE COMPANIES, INCREASINGLY BOTH THEIR SMALLER OFFICES AND OFFICES OF SMALL AND MEDIUM-SIZED BUSINESSES HAVE THE SAME NEEDS. THE 600-WATT REDUNDANT AC POWER SYSTEM MEETS THIS NEED FOR HARDWARE REDUNDANCY AS AN OPTION FOR A RANGE OF CISCO ROUTERS, SWITCHES, HUBS AND ACCESS SERVERS.

The 600-watt Redundant AC Power System (RPS), the PWR600-AC-RPS, is a separate chassis that provides redundant power for any combination of up to four of the following products:

- Cisco 1516M hub (HP 10Base-T Hub-16M)
- FastHub 400 Series 10/100 hubs
- Catalyst 1900 Series Ethernet switches
- Catalyst 2820 Series Ethernet switches
- Catalyst 2900 Series XL switches
- Catalyst 3500 Series XL switches
- Cisco 2500 Series routers
- Cisco 2500 Series access servers
- Cisco 2600 Series routers
- Cisco 2600XM Series routers
- Cisco 3620/3640 Series routers
- Cisco 3725 Series routers
- Cisco MC3810 Multiservice access concentrator
- Cisco 4000 Series routers

PWR 600-AC-RPS 600-Watt Redundant AC Power System



This power system is ideal for powering these stackable LAN and WAN products. It supports both local and remote monitoring of system status. Front-mounted LEDs allow a quick check of local status for AC input power, DC output power, cooling fans and system temperature. When one of the external devices being powered is a Cisco 2600, 3600, or 3700 Series, the 2600, 3600, or 3700 Series access server/router can receive and store status signals from the system. In turn, the status stored on router is available for remote monitoring via Simple Network Management Protocol (SNMP) products such as CiscoWorks.

### Features

- Support of up to four of any combination of 150-watt external devices (hubs, switches, routers, and access servers)
- Hot insertion of external devices
- Dual AC inputs and power cords
- Two fully redundant AC input power modules
- Four DC output power modules
- Four one-to-one DC power cables (PWR600-AC-RPS-CAB)
- LEDs on front panel for AC input, DC output, fan, and temperature status
- Redundant cooling fans
- Remote monitoring using SNMP via a Cisco 3700, 3600, or 2600 Series
- 19-inch rack-mount kit included (24-inch optional)

## Benefits

- Increased network uptime
  - with dual AC input modules power supply mean time between failure (MTBF) is significantly improved
  - demonstrated MTBF in excess of 500,000 hours
- Advanced warning of possible failure
  - Front Panel LEDs for AC input power, DC output power, and cooling status
  - SNMP manageable via a Cisco 3700, 3600 or 2600 Series router
- Flexibility and cost-effectiveness
  - a single RPS supports up to four external devices
  - match the level of redundancy required to the specific application requirements

## Software Requirements

The RPS itself requires no software. When the RPS powers a Cisco 3600 Series router, the Cisco 3600 series must be loaded with Cisco IOS® Release 11.2(7)P (available July 1997) or later.

## Specifications

- Dimensions (H x W x D): 3.44 x 17.5 x 16 in.
- Weight: 27.25 lbs
- Nominal input voltage: 100 to 240 VAC autoranging
- Current: 10A maximum
- Frequency: 50 to 60 Hz
- Absolute maximum input: 1000W
- Output voltage/current: +5@24 ADC, +12@5 ADC, -12@3 ADC
- Output power: 150W per module (maximum)
- Operating temperature: 32 to 104 F (0 to 40 C)
- Operating humidity: 10 to 85%, noncondensing
- Operating altitude: 0 to 10,000 feet
- Nonoperating temperature: -4 to 149 F (-20 to 65 C)
- Nonoperating humidity: 5 to 95% noncondensing
- Nonoperating altitude: 0 to 30,000 feet
- Normal operating noise level: 48 dBA
- Regulatory compliance: FCC Class B
- Status LEDs (bicolor: Off, Amber, Green): AC input power, DC output power, fan, and temperature
- Demonstrated MTBF in excess of 500,000 hours



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