

### Overview

## Models

HP 600 Redundant and External Power Supply

J8168A

## Product overview

The HP 600 Redundant and External Power Supply (RPS/EPS) has two different power supplies embedded: one for 12 V and the other one for 50 V. The 12 V power supply is called a redundant power supply (RPS) and the 50 V power supply is called the external PoE power supply (EPS). The RPS has six ports offering redundant power to any one of up to six 2600 switches. The EPS has two ports and can power up to 24 Power over Ethernet (PoE) ports with full 15.4 W PoE power, if only one of the EPS ports is used. Alternatively, it can simultaneously power up to 12 ports with full 15.4 W of PoE power on each of two switches if both EPS ports are used. The pair of EPS ports can supply up to 408 W of PoE power.

## Features and benefits

### Additional information

- **Power distribution on an "as-needed" basis:** monitors power supplies from connected switch or switches; when power from a switch fails, it provides backup power in less than 1 millisecond
- **RPS device prioritization:** if the internal power supply of more than one of the connected switches fails, redundant power is provided to the highest-priority switch; RPS port 1 has the highest priority, whereas port 6 has the lowest priority
- **Redundant switch power** (six ports): provides redundant power to any one of up to six switch products, backing up the power supply in a switch in case of loss of AC power or a fault condition
- **External switch power** (two ports): provides external power to up to two PoE switch devices through two EPS ports; supports up to 15.4 W per port on 48-port stackable
- **Hot-plugging:** supports changing the configuration of an RPS or EPS cable while the device is powered
- **Supports HP chassis and stackable products:** power supply units can be configured to support both chassis and stackable switches
- **Cables included:** includes two 2-meter EPS cables and six 1.26-meter RPS cables



### Technical Specifications

<b>HP 600 Redundant and External Power Supply (J8168A)</b>	<b>Ports</b>	6 redundant power supply ports Restrictions: Each port can provide redundant +12 V power to a connected switch; only one port can provide power at a given time
		2 external power supply ports Restrictions: Provides 50 VDC external PoE to up to two ProCurve switch devices; provides max. of 408 W full power to one device, and half power (204 W each) if connected to two devices
<b>Physical characteristics</b>	<b>Dimensions</b>	12.83(d) x 17.44(w) x 1.73(h) in. (32.59 x 44.3 x 4.39 cm) (1U height)
	<b>Weight</b>	11.78 lb. (5.34 kg), Fully loaded
<b>Mounting</b>	1U rack-mountable and wall-mountable enclosure using standard mounting hardware	
<b>Environment</b>	<b>Operating temperature</b>	32°F to 131°F (0°C to 55°C)
	<b>Operating relative humidity</b>	15% to 95% @ 104°F (40°C), noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	15% to 95% @ 149°F (65°C), noncondensing
	<b>Altitude</b>	up to 15,000 ft. (4.6 km)
	<b>Acoustic</b>	Noise emission LwA=59.2 dB at virtual workspace, according to DIN 45635 T.19
<b>Electrical characteristics</b>	<b>Description</b>	The unit automatically adjusts to any voltage between 100-240 V and either 50 or 60 Hz
	<b>Voltage</b>	100-240 VAC
	<b>Current</b>	9/5 A
	<b>Maximum power rating</b>	800 W
	<b>RPS power</b>	180 W
	<b>PoE power</b>	408 W
	<b>Frequency</b>	50/60 Hz
	<b>Notes</b>	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
<b>Safety</b>	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	
<b>Emissions</b>	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	
<b>Immunity</b>	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2; 4 kV CD, 8 kV AD
	<b>Radiated</b>	IEC 61000-4-3; 3 V/m
	<b>EFT/Burst</b>	IEC 61000-4-4; 1.0 kV (power line), 0.05 kV (signal line)
	<b>Surge</b>	IEC 61000-4-5; 1 kV/2 kV AC



### Technical Specifications

	<b>Conducted</b>	IEC 61000-4-6; 3 V
	<b>Power frequency magnetic field</b>	IEC 61000-4-8; 1 A/m, 50 or 60 Hz
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11; >95% reduction, 0.5 period; 30% reduction, 25 periods
	<b>Harmonics</b>	EN 61000-3-2, IEC 61000-3-2
	<b>Flicker</b>	EN 61000-3-3, IEC 61000-3-3
<b>Management</b>	Provides information via port interfaces of attached devices	
<b>Notes</b>	Supported devices • HP Switch 2600-PWR Series, Switch 2610 Series, Switch 2610-PWR Series, Switch 2800 Series, Switch 2810 Series, Switch 5300xl Series, Switch 3400cl Series, Switch 6400cl Series, and Secure Router 7000dl Series	
<b>Services</b>	3-year, 4-hour onsite, 13x5 coverage for hardware (U9270E) 3-year, 4-hour onsite, 24x7 coverage for hardware (U9271E) 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR840E) 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR841E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR854E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR855E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR857E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR858E) 3 Yr 6 hr Call-to-Repair Onsite (UW371E) 4 Yr 6 hr Call-to-Repair Onsite (UW372E) 5 Yr 6 hr Call-to-Repair Onsite (UW373E) 1-year, 6 hour Call-To-Repair Onsite for hardware (HR842E)	
	Refer to the HP website at: <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	

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