

## ProCurve 600 Redundant External Power Supply

The ProCurve 600 Redundant and External Power Supply (RPS/EPS) has 6 RPS ports and 2 EPS ports. It can provide redundant +12 V power to any one of up to six switch products, backing up the built-in switch power supply in case of loss of AC power or a fault condition. The 600 RPS/EPS can also provide +50 VDC external Power over Ethernet (PoE) power for up to two switch devices, with a maximum PoE power supply of 408 W. The EPS can provide full power for one device or half power for two devices. Each EPS port can provide PoE power for up to 24 Ethernet PoE ports.



ProCurve 600 Redundant External Power Supply (J8168A)



# ProCurve 600 Redundant External Power Supply

## Features and benefits

- **Power distribution on “as needed” basis:** monitors power signal from connected switch; when power from switch is no longer detected, provides power to the switch within 1 millisecond
- **Flexible configuration:** two modes of operation: Combined Mode provides full 12 V RPS for stackables and combines the –50 V internal supply of the stackable PoE and the –50 V of the RPS/EPS unit for maximum PoE capability; RPS Mode provides RPS for the 12 V and –50 V supplies for the stackable product line
- **RPS device prioritization:** if power to multiple connected switches fails, redundant power is provided to the highest priority switch; the lower the RPS port number, the higher the priority given
- **Redundant switch power (6 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 (2 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 ProCurve chassis and stackable products:** power supply units can be configured to support both chassis and stackable switches
- **Cables included:** 2 m EPS cables and 1.26 m RPS cables are included for all available ports
- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

## Services

- 3-year, 4-hour onsite, 13x5 coverage for hardware (U9270E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U9271E)

Check [www.hp.com/go/procurveservices](http://www.hp.com/go/procurveservices) for part numbers and service-level descriptions. For details about services and response times in your area, please contact your local HP sales office.

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## Specifications



### ProCurve 600 Redundant External Power Supply (J8168A)

<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 power to up to two 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>	
Dimensions (D x W x H)	32.59 x 44.3 x 4.39 cm (12.83 x 17.44 x 1.73 in.) (1U height)
Weight (fully loaded)	5.34 kg (11.78 lb.)
<b>Mounting</b>	1U rack-mountable and wall-mountable enclosure using standard mounting hardware
<b>Environment</b>	
Operating temperature	0°C to 55°C (32°F to 131°F)
Operating relative humidity	15% to 95% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	-40°C to 70°C (-40°F to 158°F)
Non-operating/Storage relative humidity	15% to 95% @ 65°C (149°F), non-condensing
Altitude	Up to 4.6 km (15,091 ft.)
Acoustic	Noise emission LwA = 59.2 dB at virtual workspace, according to DIN 45635 T.19
<b>Electrical characteristics</b>	The unit automatically adjusts to any voltage between 100–240 V and either 50 or 60 Hz
Voltage	100–240 VAC
Current	9 A–5 A
Power consumption	800 W
RPS power	180 W
PoE power	408 W
Frequency	50/60 Hz
<b>Safety</b>	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950
<b>Emissions</b>	FCC Class A; EN 55022/CISPR-22 Class A; VCCI Class A
<b>Immunity</b>	
EN	EN55024:2001, CISPR 24:2002
ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD
Radiated	IEC 61000-4-3; 3V/m
EFT/Burst	IEC 6100-4-4; 1.0 kV (power line), 0.5 kV (signal line)
Surge	IEC 61000-4-5; 1 kV/2 kV AC
Conducted	IEC 61000-4-6; 3V
Power frequency magnetic field	IEC 61000-4-8; 1A/m, 50 or 60 Hz
Voltage dips and interruptions	IEC 61000-4-11; >95% reduction, 0.5 period; 30% reduction, 25 periods
Harmonics	EN 61000-3-2/IEC 61000-3-2
Flicker	EN 61000-3-3/IEC 61000-3-3
<b>Management</b>	Provides information via port interfaces of attached devices
<b>Supported devices</b>	ProCurve Switch 2600-PWR series ProCurve Switch 2800 series ProCurve Switch 5300xl series ProCurve Switch 3400cl series ProCurve Switch 6400cl series ProCurve Secure Router 7000dl series