

### Overview



## Models

HP 610 External Power Supply

J8169A

## Product overview

The HP 610 External Power Supply (EPS) has two pairs of EPS ports (with four ports total). Each pair of EPS ports can power up to 24 PoE ports with full 15.4 W Power over Ethernet (PoE) power, if only one of the EPS ports is used. Alternatively, each pair of EPS ports 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. Each pair of EPS ports can supply up to 408 W of PoE power. The 610 EPS also includes EPS power backup ports, which allow one 610 EPS with spare power to provide power backup for another 610 unit connected to it in a stack.

## Features and benefits

### Additional information

- **Supports HP chassis and stackable products:** power supply units can be configured to support both chassis and stackable switches
- **HP E-Series patented EPS backup:** automatically provides power to another connected 610 EPS unit in a stack in case of a power failure
- **External switch power** (four ports): provides external power to up to four PoE switches or modules through four EPS ports
- **Cables included:** includes four 2-meter EPS cables



### Technical Specifications

#### HP 610 External Power Supply (J8169A)

<b>Ports</b>	4 external power supply ports Restrictions: Provides 50 VDC external PoE power to up to four ProCurve switches; each pair of EPS ports provides max. of 408 W full power to one device, or half power (204 W each) if connected to two devices
<b>Physical characteristics</b>	<b>Dimensions</b> 19.02(d) x 17.3(w) x 1.73(h) in. (48.31 x 43.94 x 4.39 cm) (1U height) <b>Weight</b> 16.44 lb. (7.46 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 122°F (0°C to 50°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=58 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 110-240 V and either 50 or 60 Hz <b>Voltage</b> 110-240 VAC <b>Current</b> 11/6 A <b>Maximum power rating</b> 1000 W <b>PoE power</b> 816 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. For Japan, the unit only operates at 200 V, 50 Hz, and 6 A.
<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), 0.5 kV (signal line) <b>Surge</b> IEC 61000-4-5; 1 kV/2 kV AC <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



### Technical Specifications

	<b>Flicker</b>	EN 61000-3-3, IEC 61000-3-3
<b>Management</b>	Unmanaged power supply; provides information via LEDs or through port interfaces of attached devices	
<b>Notes</b>	Supported devices: HP Switch 2600-PWR Series, Switch 2610-PWR Series, and Switch 5300xl 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)	

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