

Product Highlights

Guaranteed Power Protection

Protects your critical data and network infrastructure across your business from unsafe voltage levels and costly interruptions

Robust Continuity

The DPS-Series is housed in solid metal cases ensuring reliability in tough environments including wide temperature ranges or high traffic areas

1+1 Power Capabilities

When cascading the DPS-700 with a device's internal power supply, the power system can provide an additional power budget to the device.



DPS-500A



DPS-800



DPS-700

DPS-Series

Modular redundant power supplies

Features

Redundant Power Backup

- Connect to D-Link Ethernet and Gigabit switches
- Provide backup power for switch's built-in power supply
- Can be installed as stand-alone power supply units or mounted in a 19-inch multi-slot chassis
- Hot swappable when installed in a chassis
- Solid metal case housing
- LED status indicators
- Over-current protection

Models

- DPS-500A: up to 140 watts output power
- DPS-700 rack-mounted: up to 589 watts output power and supports 1 + 1 power capability
- DPS-800 2-slot chassis: accommodates 2 DPS-500A in a 19-inch equipment rack

Flexible Deployment Options

- Can be installed as stand-alone power supply units or mounted in a 19-inch multi-slot chassis
- Hot swappable when installed in a chassis
- Solid metal case housing

The DPS-Series of redundant power supplies (RPS) provide protection from damaging surges, spikes and inadvertent failure of the internal power-supply of an Ethernet switch, which can result in the shutdown of that switch, the devices attached to its ports, or an entire network. The DPS-500A and DPS-700 redundant power supplies (RPS) perfectly compliment D-Link's Ethernet and Gigabit switches supporting full output power for the switch and maximizing the power availability of the switching device.

Redundant Power Backup

Each D-Link RPS is equipped with an integrated detection circuit that continuously monitors the switch's internal power supply. In the event of a power interruption, the redundant power supply is immediately triggered so that the LAN switch and its connected devices can continue providing service. This results in a more reliable network infrastructure and protects the network from going down due to the failure of a single network device power supply.



Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a rapid-response technical support service that replaces faulty equipment quickly and efficiently. Maximising your uptime and giving you the confidence that instant support is only a phone call away.

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at eu.dlink.com/services

Easy and Flexible Deployment

Deployment of a DPS series device does not require any change in the configuration of the LAN switch. Each RPS is equipped with a universal internal power supply, and can be connected to an AC power source from 90 V AC to 264 V AC, 47 Hz to 63 Hz through a standard AC power cable.

Modular Redundant Power Supply: DPS-500A

The DPS-500A is a modular redundant power supply which can be installed as an independent power supply unit or placed inside a DPS-800 Rack-mount chassis. The chassis is designed for mounting in a standard 19-inch equipment rack. Multiple power supplies can be placed inside a chassis, from which they can connect to the switches mounted in the same rack. Using a chassis, users can save space while allowing for clean cabling. All redundant power supply units installed in the chassis connect directly to their power sources, and they are hot-swappable.

Rack Mounted Power Supplies: DPS-700

The DPS-700 is a 19-inch standard-size rack mount power supply designed to improve flexibility in supporting PoE (Power over Ethernet) equipment. It supports 1+1 power capabilities and when cascaded with a device's internal power supply, the power system can provide additional power budget to the device.

Rack-Mount Chassis: DPS-800

The DPS-800 chassis can accommodate up to two DPS-500A modules to an equipment rack.

Technical Specifications

| Power Supply Modules | DPS-500A | DPS-700 |
|-----------------------|--|-----------------------|
| Output Power | • 140 watts | • 589 watts |
| Input Voltage Range | • 90 to 264 V AC | • 90 to 264 V AC |
| Input Frequency | • 47 to 63 Hz | • 47 to 63 Hz |
| Max Input Current | • 1A at 240 V AC | • 3.7 A @ 230 V AC |
| Max Inrush Current | • 60 A @ 230 V AC | • 30 A @ 230 V AC |
| Efficiency | • 75% | • 80% |
| Operating Temperature | • 0 to 50 °C (32 to 122 °F) | • 0 to 65° C |
| Storage Temperature | • -45 to 85 °C (-49 to 185 °F) | • -40 to 85° C |
| Operating Humidity | • 10 to 90% RH | • 5 to 95 RH |
| Storage Humidity | • 10 to 95% RH | • 5% to 95% RH |
| MTBF | • 400,000 hours | • 624,961 hours |
| Dimensions | • 172 x 257 x 43 mm (6.8 x 10.1 x 1.7 inches) • Panel size: 196 x 52 mm (7.7 x 2.04 inches) | • 441 x 199.4 x 44 mm |
| Weight | • 1.51 kg | • 3.65 kg |

| Rack-mount Chassis | DPS-800 |
|--------------------|---------------------|
| Slot Number | • 2-slot chassis |
| Dimensions | • 482 x 180 x 55 mm |
| Output Power | • 1.06 kg |

DPS-Series Modular redundant power supplies

| Switch vs. RPS Compatibility Matrix | DPS-500A 140 W | DPS-700 589 W |
|--|-------------------|------------------|
| DGS-1510-52XMP | | ✓ |
| DGS-3000-28LP | ✓ ¹ | |
| DGS-3000-28X | ✓ ¹ | |
| DGS-3000-28XMP | ✓ ¹ | |
| DGS-3000-52X | ✓ ¹ | |
| DGS-3120-48TC | ✓ | |
| DGS-3120-24PC | | ✓ |
| DGS-3120-48PC | | ✓ |
| DGS-3130-30TS/SI | ✓ | |
| DGS-3130-30S/SI | ✓ | |
| DGS-3130-30PS/SI | | ✓ |
| DGS-3130-54TS/SI | ✓ | |
| DGS-3130-54S/SI | ✓ | |
| DGS-3130-54PS/SI | | ✓ |
| DGS-3420-28TC | ✓ | |
| DGS-3420-28SC | ✓ | |
| DGS-3420-28PC | | ✓ |
| DGS-3420-52T | ✓ | |
| DGS-3420-52P | ✓ | ✓ |
| DGS-3630-28TC | ✓ | |
| DGS-3630-28SC | ✓ | |
| DGS-3630-28PC | | ✓ |
| DGS-3630-52TC | ✓ | |
| DGS-3630-52PC | | ✓ |

¹ Requires a DPS-CB150-2PS to connect with the DGS-3000 Series. DPS-CB150-2PS available by project request only.



For more information: www.dlink.com

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