

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

Flexible Deployment

Designed to be mounted in any standard 42U rack, the DPS-Series can be deployed in a wide variety of environments that have standardized infrastructure

DPS Series

Modular Redundant Power Supplies

Features

Redundant Power Protection

- Connect to a variety of D-Link Gigabit switches
- Provide backup power for switch's built-in power supply
- Over-current protection
- LED status indicators

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-200A, DPS-500A and DPS-500DC redundant power supplies (RPS) are designed to conform to the wattage requirements of D-Link's Ethernet and Gigabit switches. They are external RPS units enclosed in solid metal cases with sockets to AC or DC power sources on one end, and connect to a switch's internal power supply on the other end. They provide a low-cost, simple solution to the problem of an 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. Supporting full output power for the switch, these redundant power supplies can maximize 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 failure of a single network device power supply.

Easy and Flexible Deployment

Deployment of a DPS series device does not require any change in the configuration of the LAN switch. With the exception of the DPS-500DC, each RPS is equipped with a universal internal power supply, and can be connected to any AC power source from 90 V AC to 264 V AC, 47 Hz to 63 Hz through a standard AC power cable. The DPS-500DC connects to a DC power source instead of an AC power source.

Modular Redundant Power Supplies

The DPS-200A, DPS-500A and DPS-500DC are modular redundant power supplies which can be installed as independent power supply units or placed inside a DPS-800 Rack-mount chassis. The chassis are 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.

Rack-Mount Chassis

The DPS-800 chassis can accommodate up to two DPS-200A, DPS-500A or DPS-500DC modules to an equipment 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.

Technical Specifications

Physical	DPS-200A	DPS-500A	DPS-500DC
Dimensions	<ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • 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)
Weight	• TBD	• TBD	• TBD
Input Voltage Range	• 90 to 264 V AC	• 90 to 264 V AC	• -36 to 72 V DC
Input Frequency	• 47 to 63 Hz	• 47 to 63 Hz	-
Max Input Current	<ul style="list-style-type: none"> • 2 A at 100 V AC • 1A at 240 V AC 	<ul style="list-style-type: none"> • 2 A at 100 V AC • 1A at 240 V AC 	<ul style="list-style-type: none"> • 6 A at -36 VDC • 3 A at -72 VDC
Max Inrush Current	<ul style="list-style-type: none"> • 30 A at 115 V AC • 60 A at 230 V AC 	<ul style="list-style-type: none"> • 30 A at 115 V AC • 60 A at 230 V AC 	<ul style="list-style-type: none"> • 20 A at -48 V DC • 30 A at -72 V DC
Efficiency	• 75 %	• 75 %	• 80 %
Operating Temperature	• 0 to 50 °C (32 to 122 °F)	• 0 to 50 °C (32 to 122 °F)	• 0 to 50 °C (32 to 122 °F)
Storage Temperature	• -45 to 85 °C (-49 to 185 °F)	• -45 to 85 °C (-49 to 185 °F)	• -45 to 85 °C (-49 to 185 °F)
Operating Humidity	• 10 to 90% RH	• 10 to 90% RH	• 5 to 95% RH
Storage Humidity	• 10 to 95% RH	• 10 to 95% RH	• 5 to 95% RH
MTBF	• 400,000 hours	• 400,000 hours	• 300,000 hours
Compatibility Matrix	DPS-200A	DPS-500A	DPS-500DC
DGS-3000-10TC	✓ ¹		
DGS-3000-24TC	✓ ¹		
DGS-3000-26TC	✓ ¹		
DGS-3120-24TC	✓		
DGS-3120-24SC	✓		
DGS-3120-48TC		✓	✓
DGS-3420-28TC		✓	✓
DGS-3420-28SC		✓	✓
DGS-3420-52T		✓	✓
DGS-3620-28TC		✓	✓
DGS-3620-28SC		✓	✓
DGS-3620-52T		✓	✓

DPS Series Modular Redundant Power Supplies

Order Information	
<i>Part Number</i>	<i>Description</i>
DPS-200A	Redundant Power Supply DPS-200A
DPS-500A	Redundant Power Supply DPS-500A
DPS-500DC	Redundant Power Supply DPS-500DC
Optional Accessories	
<i>Part Number</i>	<i>Description</i>
DPS-CB400	4-meter Extension DC power cable for DPS-200A/500A/500DCA
DPS-CB150-2PS	150CM RPS cable for connecting DGS-3000 and DPS-200A
DPS-800	2-slot chassis for DPS-200A/500A/500DC

¹ Requires a DPS-CB150-2PS to connect with the DGS-3000 Series.

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