

Product Highlights

Guaranteed Power Protection

Protect critical data and network infrastructure from unsafe voltage levels and costly interruptions

Built to Last

Solid metal housing, reliable in tough environments, including wide temperature ranges and high traffic areas

Increase PoE Budget

DPS-700 allows PoE power load sharing, adding 370W of extra PoE power budget to supported PoE switches



DPS-200A



DPS-700



DPS-500A



DPS-800

DPS-200A/500A/700/800 Series

Redundant Power Supplies

Features

- Provides backup power for switch's built-in power supply
- Can be installed as standalone module, or in a 19-inch rackmount chassis
- Solid metal housing
- LED status indicators
- 90 V to 264 V, 47 Hz to 63 Hz AC input range
- Over-current protection
- DPS-200A: up to 60 watts output power
- DPS-500A: up to 140 watts output power
- DPS-700: up to 589 watts output power and supports PoE power load sharing capability
- DPS-800 2-slot chassis: accommodates 2 DPS-200A/500A in a 19-inch equipment rack

The DPS-200A, DPS-500A and DPS-700 redundant power supplies (RPS) are designed to conform to the wattage requirements of D-Link's switches. They provide a low-cost, simple solution to the problem of a failure of the internal power supply of an Ethernet switch, which can result in the shutdown of that switching device, the devices attached to its ports, or an entire network. Supporting full output power for the switch, these redundant power supplies can maximize the availability of the switching device.

Redundant Power Backup

Each D-Link RPS is equipped with an integrated detection circuit that continuously monitors the switching device'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 a single failure of a network device power supply.

Easy and Flexible Deployment

Deployment of a DPS-200A, DPS-500A or DPS-700 does not necessitate any change in configuration of the LAN switch. Each RPS is equipped with a universal internal power supply and can be connected to any AC main power source from 90 VAC to 264 VAC, 47 Hz to 63 Hz through a standard AC power cable.

The DPS-200A and DPS-500A power supplies are modular, and can be mounted on benchtop/desktop as independent power supply units, or installed in a DPS-800 chassis, which holds two power supplies and mounts in a standard 19-inch equipment rack.

The DPS-700 is a 1U high 19-inch standard-size rack mount power supply designed specifically for D-Link's PoE switches. Not only does it provide power backup in the event of a power supply failure in the PoE switch, but it also supports PoE power load sharing. It provides an additional 370 W of PoE power budget to the switch to support more powered devices.

All D-Link redundant power supplies ship with the necessary cables. The one exception is for the DGS-3000-10TC Gigabit switch when used with the DPS-200A power supply. In this case, a DPS-CB150-2PS cable must be separately ordered.

DPS-800 Rack-Mounted Chassis

Each DPS-800 chassis can accommodate up to two DPS-200A or DPS-500A power supply modules in an equipment rack. The DPS-800 occupies 1.25U of rack space and allows users to save space with efficient cabling. All redundant power supply units installed in the chassis connect directly to their power sources and are hot swappable.

DPS-200A/500A/700/800 Series Redundant Power Supplies

D-Link RPS Compatibility Chart

Compatible D-Link switches that can be used with each redundant power supply are listed below

Redundant Power Supply		
DPS-200A	DPS-500A / DPS-500DC	DPS-700
DGS-1210-10/ME	DGS-3000-10L	DGS-1510-52XMP
DGS-1210-12TS/ME	DGS-3000-20L	DGS-1520-28MP
DGS-1210-20/ME	DGS-3000-28L	DGS-1520-52MP
DGS-1210-28/ME	DGS-3000-28LP	DGS-3130-30PS
DGS-1210-28X//ME	DGS-3000-28X	DGS-3130-54PS
DGS-1210-28XS/ME	DGS-3000-28XMP	DGS-3630-28PC
DGS-1210-52/ME	DGS-3000-28XS	DGS-3630-52PC
	DGS-3000-52L	
	DGS-3000-52X	
	DGS-3000-28SC	
	DGS-3130-30TS	
	DGS-3130-30S	
	DGS-3130-54TS	
	DGS-3130-54S	
	DGS-3630-28SC	
	DMS-3130-30TS	
	DGS-1210-10/ME	
	DGS-1210-12TS/ME	
	DGS-1210-20/ME	
	DGS-1210-28/ME	
	DGS-1210-28X/ME	
	DGS-1210-28XS/ME	
	DGS-1210-52/ME	

DPS-200A/500A/700/800 Series Redundant Power Supplies

Technical Specifications

	DPS-200A	DPS-500A	DPS-700	DPS-800
Dimensions	<ul style="list-style-type: none"> 6.8 x 10.1 x 1.7 in. (172 x 257 x 43 mm) Panel size: 7.7 x 2.04 in. (196 x 52 mm) 	<ul style="list-style-type: none"> 6.8 x 10.1 x 1.7 in. (172 x 257 x 43 mm) Panel size: 7.7 x 2.04 in. (196 x 52 mm) 	<ul style="list-style-type: none"> 17.36 x 7.83 x 1.73 in. (441 x 199 x 44mm) 19" rack-mount width, 1U height 	<ul style="list-style-type: none"> 17.36 x 7.09 x 2.17 in. (441 x 180 x 55 mm)
Weight	<ul style="list-style-type: none"> 3.33 lbs (1.51 kg) 	<ul style="list-style-type: none"> 3.33 lbs (1.51 kg) 	<ul style="list-style-type: none"> 9.83 lbs (4.46 kg) 	<ul style="list-style-type: none"> 1.17 lbs (.53 kg)
Input Voltage Range	<ul style="list-style-type: none"> 90 to 264 VAC 	<ul style="list-style-type: none"> 90 to 264 VAC 	<ul style="list-style-type: none"> 90 to 264 VAC 	-
Input Frequency	<ul style="list-style-type: none"> 47 to 63 Hz 	<ul style="list-style-type: none"> 47 to 63 Hz 	<ul style="list-style-type: none"> 47 to 63 Hz 	-
Max Input Current	<ul style="list-style-type: none"> 2 A @ 100 VAC 1 A @ 240 VAC 	<ul style="list-style-type: none"> 2 A @ 100 VAC 1 A @ 240 VAC 	<ul style="list-style-type: none"> 7.5 A @ 110 VAC 3.7 A @ 240 VAC 	-
Max Inrush Current	<ul style="list-style-type: none"> 30 A @ 115 VAC 60 A @ 230 VAC 	<ul style="list-style-type: none"> 30 A @ 115 VAC 60 A @ 230 VAC 	<ul style="list-style-type: none"> 30 A @ 115 VAC 30 A @ 230 VAC 	-
Efficiency	<ul style="list-style-type: none"> 75% 	<ul style="list-style-type: none"> 75% 	<ul style="list-style-type: none"> 80% 	-
Operating temperature	<ul style="list-style-type: none"> 32 to 122 °F (0 to 50 °C) 	<ul style="list-style-type: none"> 32 to 122 °F (0 to 50 °C) 	<ul style="list-style-type: none"> 32 to 149 °F (0 to 65 °C) 	-
Storage Temperature	<ul style="list-style-type: none"> -49 to 185 °F (-45 to 85 °C) 	<ul style="list-style-type: none"> -49 to 185 °F (-45 to 85 °C) 	<ul style="list-style-type: none"> -49 to 185 °F (-45 to 85 °C) 	-
Operating Humidity	<ul style="list-style-type: none"> 10 to 90% RH 	<ul style="list-style-type: none"> 10 to 90% RH 	<ul style="list-style-type: none"> 5 to 95% RH 	-
Storage Humidity	<ul style="list-style-type: none"> 10 to 90% RH 	<ul style="list-style-type: none"> 10 to 90% RH 	<ul style="list-style-type: none"> 5 to 95% RH 	-
MTBF	<ul style="list-style-type: none"> 400,000 hours 	<ul style="list-style-type: none"> 400,000 hours 	<ul style="list-style-type: none"> 624,961 hours 	-

Ordering Information

Part Number	Description
DPS-200A	60 W Redundant Power Supply with (39 in./1 m) DC Power Cable
DPS-500A	140 W Redundant Power Supply with (39 in./1 m) DC Power Cable
DPS-700	589 W Redundant Power Supply with (39 in./1 m) DC Power Cable
DPS-800	2-slot Chassis for DPS-200A/500A

Optional Accessories

Part Number	Description
DPS-CB150-2PS	59 in. (150 cm) RPS cable for connecting switch with DPS-200A / DPS-500A / DPS-500DC

¹ When connecting DGS-1210/ME or DGS-3000 to DPS-200A/DPS-500A/DPS-500DC, the DPS-CB150-2PS cable is required (separately ordered).