

## Product Highlights

### Redundant Power Supply

Provides power to your switch even if its built-in power supply fails

### Universal Power Input and Output

All D-Link DPS Redundant Power supplies support both 110V and 220V inputs, and they support numerous models of D-Link Managed switches

### Expanded Your PoE Budget

The DPS-700 allows 1+1 operation so you can add an additional 370W of PoE budget to supported switches



## DPS-200/500/600/700/800/900 Series

# Redundant Power Supplies

## Features

- Provide Backup Power for the Switch's Built-in Power Supply
- Can be Installed as Stand-Alone Power Supply Units or Mounted in 19-Inch Multi-Slots Chassis
- Hot Swappable When Installed in Chassis
- Solid Metal Case Housing
- LED Status Indicators
- 90 to 264 Volts, 47 to 63Hz AC Input Range
- Over Current Protection
- DPS-200: up to 60 watts output power
- DPS-500: up to 140 watts output power
- DPS-600: up to 500 watts output power
- DPS-700: up to 589 watts output power and supports 1+1 power capability
- DPS-800 2-slot chassis: accommodates 2 DPS-200/500 in 19-inch equipment rack
- DPS-900 8-slot chassis: accommodates up to 8 DPS-200/500 in 19-inch equipment rack

## Introduction

The DPS-200, DPS-500, DPS-600 and DPS-700 redundant power supplies (RPS) are designed to conform to the wattage requirements of D-Link's Ethernet and Gigabit 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-200, DPS-500, DPS-600 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 90VAC to 264VAC, 47Hz to 63Hz through a standard AC power cable.

Two installation options are available for the DPS-200, and DPS-500. These power supplies can be installed as independent power supply units, or placed inside a DPS-800 or DPS-900 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 Mounted Power Supplies: DPS-600/700

The DPS-600 and DPS-700 are 19-inch standard-size rack mount power supplies designed to improve flexibility in supporting PoE (Power over Ethernet) equipment. The DPS-600 is designed to conform to the wattage requirements of D-Link Ethernet switches with Power over Ethernet (PoE). The DPS-600 is encased in a low-profile 19-inch standard-size rack mount metal housing,

and can be mounted in the same equipment rack as the switching device that it connects to. The DPS-700 also supports 1+1 power capabilities. When cascading the DPS-700 with a device's internal power supply, the power system can provide an additional PoE power budget to the switch to support more powered devices.

### Rack-Mount Chassis

DPS-900 8-slot chassis is designed to accommodate up to eight DPS-200 or DPS-500. This chassis is useful for deployment of eight stackable switches mounted in the same rack. The DPS-800 chassis can hold two DPS-200 or DPS-500 and is useful for adding a few RPS to the equipment rack.

### Technical Specifications

	DPS-200	DPS-500	DPS-600	DPS-700
Input Voltage Range	• 85VAC to 264VAC	• 90VAC to 264VAC	• 85VAC to 264VAC	• 90VAC to 264VAC
Input Frequency Range	• 47 Hz to 63 Hz			
Maximum Input Current	• 1.6A max. for 115VAC • 0.8A max. for 230VAC	• 4A max. @ 115VAC • 2A max. @ 230VAC	• 10A at 115VAC, 60Hz (max.) • 5A at 230VAC, 50Hz(max.)	• 7.5A at 115VAC, 60Hz • 3.7A at 230VAC, 50Hz
Maximum In-rush Current	• 30A @ 115VAC, 60Hz • 60A @ 230VAC, 50Hz			• 30A @ 115VAC, 60Hz • 30A @ 230VAC, 50Hz
Leakage Current	• 3.5mA max.			
Output Voltage	• +12VDC	• +5VDC • +12VDC	• -50VDC • +12VDC	• +54VDC • +12VDC
Total Output Power	• 60 watts	• 140 watts	• 500 watts	• 589 watts
Efficiency	• 75% min. @ max. load and 115VAC input	• 80% min. @ max.	• 80% (typical) at nominal line and maximum load	• 80%
Over Voltage Protection	• 13.5V to 17V		• Trip point: below 16V for +12V output • Auto-recovery mode against short circuit or over load conditions • -50V output below -57V will protect itself against short circuit or over load condition	• Trip point: below 16V for +12V output • Auto-recovery mode against short circuit or over load conditions • -59V output below -57V will protect itself against short circuit or over load condition

Physical & Environmental					
LED Status	• On: RPS good		• Off: RPS failed		
Dimensions	• 5" x 3" x 1.46" (127 x 76 x 37mm)	• 7.72" x 7.76" x 1.97" (196 x 195 x 50mm)	• 17.36" x 5.47" x 1.73" (441 x 139 x 44mm) • 19" rack-mount width, 1U height	• 7.72" x 7.76" x 1.97" (196 x 195 x 50mm)	
Weight	• 0.83 kg	• 1.5 kg	• 3.5 kg	• 3.7 kg	
Operating Temperature	• 0° to 50°C			• 0° to 65°C	
Storage Temperature	• -20° to 80°C		• -40° to 70°C		
Operating Humidity	• 0° to 50° C	• 5% to 95% RH	• 10% to 90% RH		
Storage Humidity	• -20° to 80° C	• 5% to 95% RH	• 10% to 90% RH		
Safety Standards	• UL 60950 3rd Edition	• CSA 22.2 NO.234	• EN 60 950		
Safety Approvals	• UL	• CSA	• UL	• CUL	
EMI	• FCC Class B • EN55022 (CISPR22) Class B	• FCC Class B	• FCC Class B • CE		
MTBF	• 71,713 hours	• 598,552hours	• 598,664 hours	• 624,961 hours	
	DPS-800		DPS-900		
Slot Number	• 2-Slot Chassis		• 8-Slot Chassis		
Dimensions	• 17.36" x 7" x 2.17"		• 17.36" x 7.6" x 8.82"		
Output Power	• 1.2lb		• 12.9lb		
Redundant Power Supply & LAN Switch Compatibility					
DPS-200	DPS-500	DPS-600	DPS-700	DPS-800	DPS-900
<ul style="list-style-type: none"> <li>• DES-3326SRM</li> <li>• DES-3350SR</li> <li>• DES-3526</li> <li>• DES-3528</li> <li>• DES-3550</li> <li>• DES-3552</li> <li>• DES-3828</li> <li>• DGS-3100-24</li> <li>• DGS-310024P</li> <li>• DGS-3100-48P</li> <li>• DGS-3120-21TC</li> <li>• DGS-3200-24</li> <li>• DGS-3212SR</li> <li>• DGS-3312SR</li> <li>• DGS-3612</li> <li>• DWS-3160-24TC</li> </ul>	<ul style="list-style-type: none"> <li>• DGS-3048</li> <li>• DGS-3100-48</li> <li>• DGS-3120-48TC</li> <li>• DGS-3224SR</li> <li>• DGS-3324SR</li> <li>• DGS-3420-28SC</li> <li>• DGS-3420-28TC</li> <li>• DGS-3420-52T</li> <li>• DGS-3427</li> <li>• DGS-3450</li> <li>• DGS-3612G</li> <li>• DGS-3620-28SC</li> <li>• DGS-3620-28TC</li> <li>• DGS-3620-52T</li> <li>• DGS-3627</li> <li>• DGS-3627G</li> <li>• DGS-3650</li> <li>• DXS-3220GSR</li> <li>• DXS-3350SR</li> </ul>	<ul style="list-style-type: none"> <li>• DES-3528P</li> <li>• DES-3552P</li> <li>• DES-3828P</li> <li>• DGS-3100-24P</li> <li>• DGS-3100-48P</li> <li>• DGS-3426P</li> <li>• DWS-3024</li> <li>• DWS-3024L</li> <li>• DWS-3026</li> <li>• DWS-4026</li> <li>• DXS-3227P</li> </ul>	<ul style="list-style-type: none"> <li>• DGS-3120-24PC</li> <li>• DGS-3120-48PC</li> <li>• DGS-3420-28PC</li> <li>• DGS-3420-52T</li> <li>• DGS-3620-28PC</li> <li>• DGS-3620-52PC</li> <li>• DWS-3160-24PC</li> </ul>	<ul style="list-style-type: none"> <li>• DPS-200</li> <li>• DPS-500</li> </ul>	<ul style="list-style-type: none"> <li>• DPS-200</li> <li>• DPS-500</li> </ul>

# DPS-200/500/600/700/800/900 Series Redundant Power Supplies

Warranty	
All DPS-SKU	• 1-Year Warranty
Ordering Information	
Part Number	Description
DPS-200	60-watt RPS with a 1-meter DC power cable
DPS-500	140-watt RPS with a 1-meter DC power cable
DPS-600	500-watt RPS with a 1-meter DC power cable
DPS-700	589-watt RPS with a 1-meter DC power cable
DPS-800	2-slot chassis for DPS-200/500/500DC
DPS-900	8-slot chassis for DPS-200/500

<sup>1</sup> Available in the U.S.A and Canada only.

All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted. See inside package for warranty details.

Updated 3/12/12

DPS-200



DPS-500



DPS-600



DPS-700



DPS-800



DPS-900



## For more information

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