

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-200



DPS-300



DPS-500



DPS-500DC



DPS-600



DPS-700



DPS-800



DPS-900

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-200: up to 60 watts output power
- DPS-300: up to 90 watts output power
- DPS-500/500DC: up to 140 watts output power
- DPS-600 rack mounted: up to 500 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-200/300/500/500DC in a 19-inch equipment rack
- DPS-900 8-slot chassis: accommodates up to 8 DPS-200/300/500 in a 19-inch equipment rack

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-200, DPS-300, DPS-500/500DC, DPS-600, 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 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 provides the same output power as the DPS-500, but connects to a DC power source instead of an AC power source.

Modular Redundant Power Supplies: DPS-200/300/500/500DC

The DPS-200, DPS-300, and DPS-500/500DC are modular redundant power supplies which can be installed as independent power supply units or placed inside a DPS-800 or DPS-900 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.

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-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-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 power budget to the device.

Rack-Mount Chassis: DPS-800/900

The DPS-800 chassis can accommodate up to two DPS-200, DPS-300 or DPS-500/500DC modules to an equipment rack.

The DPS-900 8-slot chassis is designed to accommodate up to eight DPS-200, DPS-300, or DPS-500 modules. This chassis is useful for deployment of eight stackable switches mounted in the same rack.

Technical Specifications

Power Supply Modules	DPS-200	DPS-300	DPS-500	DPS-500DC
Output Power	• 60 watts	• 90 watts	• 140 watts	• 140 watts
Input Voltage Range	• 85 to 264 V AC	• 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	• 47 to 63 Hz	• -
Max Input Current	• 1.5 A @ 115 V AC • 0.8 A @ 230 V AC	• 4 A @ 115 V AC • 2 A @ 230 V AC	• 4 A @ 115 V AC • 2 A @ 230 V AC	• 6 A @ -36 V DC • 3 A @ -72 V DC
Max Inrush Current	• 30 A @ 115 V AC • 60 A @ 230 V AC	• 30 A @ 115 V AC • 50 A @ 230 V AC	• 30 A @ 115 V AC • 50 A @ 230 V AC	• 20 A @ -48 V DC • 50 A @ -72 V DC
Efficiency	• 75%	• 80%	• 80%	• 80%
Operating Temperature	• 0 to 55° C	• 0 to 70° C	• 0 to 70° C	• 0 to 65° C
Storage Temperature	• -20 to 80° C	• -40 to 85° C	• -40 to 85° C	• -40 to 85° C
Operating Humidity	• 20 to 80% RH	• 5 to 95% RH	• 5 to 95% RH	• 10 to 90% RH
Storage Humidity	• 10 to 95% RH	• 5 to 95% RH	• 5 to 95% RH	• 10 to 90% RH
MTBF	• 280,000 hours	• 211,493 hours	• 598,552 hours	• 120,295 hours
Dimensions	• 172 x 194 x 43 mm • Panel size: 197 x 52 mm	• 172 x 194 x 43 mm • Panel size: 197 x 52 mm	• 172 x 194 x 43 mm • Panel size: 197 x 52 mm	• 172 x 257 x 44 mm • Panel size: 197 x 52 mm
Weight	• 1.08 kg	• 1.19 kg	• 1.4 kg	• 1.07 kg

Rack-mount Power Supplies	DPS-600	DPS-700
Output Power	• 500 watts	• 589 watts
Input Voltage Range	• 85 to 264 V AC	• 90 to 264 V AC
Input Frequency	• 47 to 63 Hz	• 47 to 63 Hz
Max Input Current	• 10 A @ 115 V AC • 5 A @ 230 V AC	• 7.5 A @ 115 V AC • 3.7 A @ 230 V AC
Max Inrush Current	• 30 A @ 115 V AC • 60 A @ 230 V AC	• 30 A @ 115 V AC • 30 A @ 230 V AC
Efficiency	• 75%	• 80%
Operating Temperature	• 0 to 50° C	• 0 to 65° C
Storage Temperature	• -40 to 85° C	• -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	• 598,664 hours	• 624,961 hours
Dimensions	• 441 x 165 x 44 mm	• 441 x 199.4 x 44 mm
Weight	• 3.51 kg	• 3.65 kg



Rack-mount Chassis	DPS-800	DPS-900
Slot Number	• 2-slot chassis	• 8-slot chassis
Dimensions	• 482 x 180 x 55 mm	• 440 x 200.7 x 222.6 mm
Output Power	• 1.06 kg	• 4.58 kg

Power Chassis vs. RPS Compatibility Matrix	DPS-200 60 W	DPS-300 90 W	DPS-500 140 W	DPS-500DC 140 W
DPS-800(2 slots)	✓	✓	✓	✓
DPS-900(8 slots)	✓	✓	✓	

Switch vs. RPS Compatibility Matrix	DPS-200 60 W	DPS-500 140 W	DPS-500DC 140 W	DPS-600 500 W	DPS-700 589 W
DES-3528	✓				
DES-3528P				✓	
DES-3552	✓				
DES-3552P				✓	
DES-3810-28	✓				
DES-3810-52	✓				
DGS-1500-28P					✓
DGS-3000-10TC	✓				
DGS-3000-24TC	✓				
DGS-3000-26TC	✓				
DGS-3120-24TC	✓				
DGS-3120-48TC		✓	✓		
DGS-3120-24PC					✓
DGS-3120-48PC					✓
DGS-3120-24SC	✓				
DGS-3420-28TC		✓	✓		
DGS-3420-28SC		✓	✓		
DGS-3420-28PC					✓
DGS-3420-52T		✓	✓		
DGS-3420-52P					✓
DGS-3620-28TC		✓	✓		
DGS-3620-28SC		✓	✓		
DGS-3620-28PC					✓
DGS-3620-52T		✓	✓		
DGS-3620-52P					✓
DWS-3160					✓
DWS-4026				✓	

DPS-Series Modular redundant power supplies

Order Information	
Part Number	Description
DPS-200	60-watt RPS with a 1-meter DC power cable
DPS-300	90-watt RPS with a 1-meter DC power cable
DPS-500	140-watt RPS with a 1-meter DC power cable
DPS-500DC	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-200/300/500/500DC
DPS-900	8-slot chassis for DPS-200/300/500

Optional Accessories	
Part Number	Description
DPS-CB400	 4-meter Extension DC power cable for DPS-200/300/500/500DC
DPS-CB150-2PS	 150CM RPS cable for connecting DGS-3000 and DPS-200

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