

Key Features

- 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
- 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

Redundant Power Supplies

The DPS-200, DPS-300, DPS-500/500DC, 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 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 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.

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.

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.



DPS-200/300/500

DPS-500DC



DPS-600



DPS-700



DPS-800



DPS-900

Power Supply Modules

DPS-200



DPS-300



DPS-500



DPS-500DC



	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



	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 Power Supplies

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

Products

Ordering Information

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 Product

Ordering Information

DPS-CB400	4-meter Extension DC power cable for DPS-200/300/500/500DC
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