

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



DPS-F500AC



DPS-F700AC

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-load protection
- 6 KV Surge Protection on Common mode

Models

- DPS-F500AC: up to 150 watts output power
- DPS-F700AC rack-mounted: up to 460 watts output power and supports 1 + 1 power capability

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-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-F500AC and 700AC 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 the failure of a single network device power supply.

Modular Redundant Power Supply: DPS-F500AC

The DPS-500A is a modular redundant power supply which can be installed as an independent power supply unit or placed inside a DPS-800 Rack-mount chassis. The chassis is 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-700

The DPS-700 is a 19-inch standard-size rack mount power supply designed to improve flexibility in supporting PoE (Power over Ethernet) equipment.

Rack-Mount Chassis: DPS-800

The DPS-800 chassis can accommodate up to two DPS-500A modules to an equipment rack.

Technical Specifications		
Electrical Characteristics	DPS-F500 AC	DPS-F700 AC
Input Voltage Range	90 ~ 264VAC	90 ~ 264VAC
Input Frequency Range	47 ~ 63Hz	47 ~ 63Hz
Max Input Current	4 A @ 115 V AC	7.5 A @ 115 V AC
	2 A @ 230 V AC	3.7 A @ 230 V AC
POWER FACTOR	PF >0.95/230VAC	PF >0.95/230VAC
	PF >0.98/115VAC at full load	PF >0.98/115VAC at full load
EFFICIENCY (Typ.)	Higher than 90%	Higher than 88%
Output		
DC VOLTAGE	12.5V	12.5V & 53Vdc
Rated Power	150 W	460 Watts
Ripple & Noise	120 mV (P-P)	250 mV (P-P)
LINE REGULATION	±0.5%	±0.5%
Load Regulation	±1.0%	±1.0%
Signals Generated to Switch	RPS Present, RPS Power Good	RPS Present, RPS Power Good
Protections		
Surge protection	Common Mode 6kV ; Differential Mode 3kV as per IEC 61000-4-5	Common Mode 6kV ; Differential Mode 3kV as per IEC 61000-4-5
Over-Load Protection	105 ~ 150% rated output power, 13.2 ~ 15.6V Protection type: Hiccup after 3 sec, recovers Automatically (3 sec), after fault condition is removed	105 ~ 150% rated output power; Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	13.2 ~ 15.6V; Protection type: Shut down o/p voltage, re-power on to recover	Yes, Protection type: Shut down o/p voltage, re-power on to recover
Over Temperature	Protection type: Shut down o/p voltage, Re-power to recover	Protection type: Shut down o/p voltage, Re-power to recover
Safety & EMI/EMC	IS 13252 (PART 1): 2010/ IEC 60950-1: 2005 A1:2009 A2: 2013	IS 13252 (PART 1): 2010/ IEC 60950-1: 2005 A1:2009 A2: 2013
Environmental		
Operating Temp. Range	-40 ~ +65°C	-40 ~ +65°C
Humidity Non Condensing	20 ~ 90% RH non- condensing	20 ~ 90% RH non- condensing
Storage Temp & Humidity	-40 ~ +85°C, 10 ~ 95% RH non-condensing	-40 ~ +85°C, 10 ~ 95% RH non-condensing
Visual Indications	Power Good	Power Good
Mechanical		
Size (H x W x D)	220 x 206 x 44 mm	441 x 206 x 44 mm
Weight	1.5 Kgs	3.70 Kg

DPS-Series Modular redundant power supplies

Rack-mount Chassis	DPS-800
Slot Number	2-Slot chassis
DPS-F500AC	--
DPS-F700AC	--

Ordering Information	
<i>Part code</i>	<i>Description</i>
DPS-F500AC	150W Redundant Power Supply
DPS-F700AC	460W Redundant Power Supply