

Redundant Power Supply System for NETGEAR® RPS Capable Switches

The Redundant Power that you can rely on



RPS Power Supply Series™ is a unique and a highly reliable power supply series. It is used as a redundant power supply for NETGEAR® RPS capable PoE, 10/100 Ethernet, and Gigabit Ethernet switches. The power supplies in this series are tested and verified by NETGEAR®.

The RPS Power Series™ is designed for Universal AC to DC power supply applications. Because of this feature these power supplies can be used anywhere in the world.

The Model RPS5412 is a 1U rack mountable RPS (Redundant power supply). The RPS has an ON/OFF switch, and an associating DC power LED.

Specifications

Electrical

Output Voltage	-52V DC	+12V DC
Output Ripple	Typical 200mV	Typical 120mV
Output Current	Typical 5.77A max.	Typical 9A max.
Output Power*	300W	100W
Input Voltage	Universal 90VAC to 264VAC input	
Input Frequency	47Hz to 63Hz	
Input Current	5 Ampere maximum	

Typical Safety Ratings for Internal Power Module

Designed in full compliance with	UL60950 CSA 22.2 No. 234 EN60950
EMI	EN55022 "Class A"
EMS	EN61000-4-2,-3,-4,-5,-6,-8,-11
Harmonics	EN61000-3-2 Class D

Environmental

Overload Protection	Auto-recovery
Functional Temperature	0 to 70 °C
Storage Temperature	-20 to 85 °C
Over voltage Type	Latch off
Efficiency	80-90% Typical
RoHS	YES
Dimensions	1U (1.75" H x 19" W x 12.12" D)
Weight Approx.	11.55 lb = 5239 g = 184.80 oz



Compatible NETGEAR® Switch Model Number Table

NETGEAR® Switch Model	Optimal Power® RPS Models	Optimal Power® DC Cable
GSM7224-200	RPS5412	RPSC5412
GSM7248-200	RPS5412	RPSC5412
GSM7228PS	RPS5412*	RPSC5412
GSM7252PS	RPS5412*	RPSC5412
GSM7328S-200	RPS5412	RPSC5412
GSM7352S-200	RPS5412	RPSC5412
GSM7328FS	RPS5412	RPSC5412

* **NOTE** The Model RPS5412 only provides up to 300W for POE application. If POE devices connected to the switch system need more than 300W, then this device is not recommended.



Package Content

- Redundant Power Supply Model RPS5412
- DC Connection Cable Model RPSC5412
- AC Connection Cord (see ordering chart)
- Installation Manual
- Rack-mount Screws

Ordering Information Chart

RPS Model	Worldwide region
RPS5412-100NAS	Americas
RPS5412-100EUS	Europe
RPS5412-100AJS	Asia

LIABILITY

DO NOT OPERATE OR SERVICE THE RPS5412 MODEL WITHOUT READING THIS ENTIRE DOCUMENT FIRST

Optimal Power Supplies LLC is not responsible for any kind of damages sustained through the use of this or any other Optimal Power Supplies LLC products. It is entirely the customer's responsibility to take all the necessary precautionary measures when installing this unit.

In the interest of improving internal design, operational function, and/or reliability, Optimal Power Supplies LLC reserves the right to make changes to the products described in this document without notice.

WARRANTY

1. Optimal Power® warrants its product models RPS5412 and RPSC5412 against defects in materials and workmanship for Three (3) year from date of delivery. We will repair, or replace parts which prove to be defective during the warranty period.
2. Any defect discovered after the warranty period has expired will be deemed to be outside the coverage of the warranty, as noted below:

“THIS EXPRESS WARRANTY SUPERSEDES AND IS IN LIEU OF ALL REMEDIES AND WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, AND LIABILITY FOR NEGLIGENCE. IN NO EVENT SHALL SELLER OR ITS DISTRIBUTORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL LOSSES, EXPENSES OR DAMAGES”.

3. Optimal Power® does not endorse any other warranty, expressed or implied, and is not liable for consequential damages. Products that are damaged, opened, or modified do not qualify for a warranty. The same procedures must be followed for repairs outside the warranty period.