

Rack mount Power Supply System

Rack mount Power for POE and Telecom Applications



POE300 Power Supply Series™ is a unique and a highly reliable power supply series. It is specifically designed to serve the emerging and growing market of POE (Power over Ethernet) and Telecommunication applications, where there is a need for 48V DC power outputs.

The POE300 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 POE300-48S is a 1U rack mountable power supply. The power supply has an ON/OFF switch, and an associating DC power LED.

Specifications

Electrical

Output Voltage	48V DC
Output Ripple	Typical 200mV
Output Current	Typical 6.25A max.
Output Power*	300W
Input Voltage	Universal 90VAC to 264VAC input
Input Frequency	47Hz to 63Hz
Input Current	5 Ampere maximum

Typical Safety Ratings for internal power modules

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	

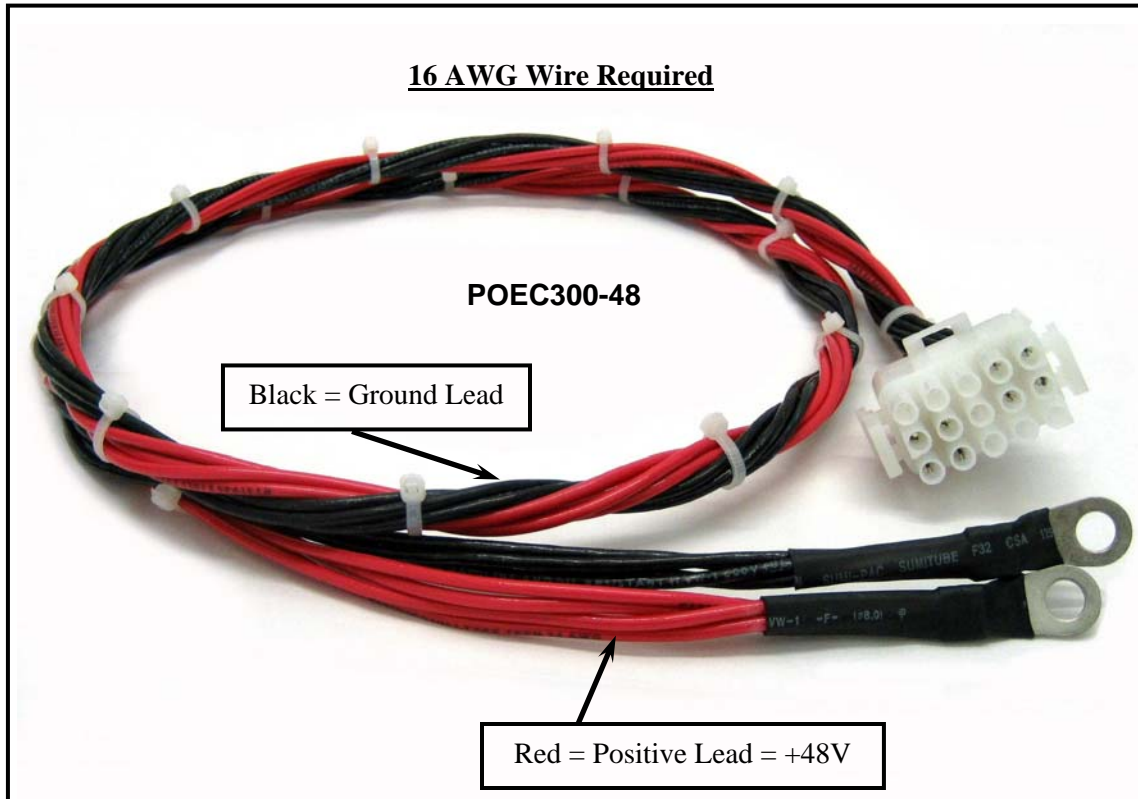


Environmental

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

Cable Model Number POEC300-48

16 AWG Wire Required





Package Content

- **Rack mount Power Supply Model POE300-48S**
- **DC Connection Cable Model POEC300-48**
- **AC Connection Cord**
- **Installation Manual**
- **Rack-mount Screws**

LIABILITY

DO NOT OPERATE OR SERVICE THE POE300-48S 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 POE300-48S and POEC300-48 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.