

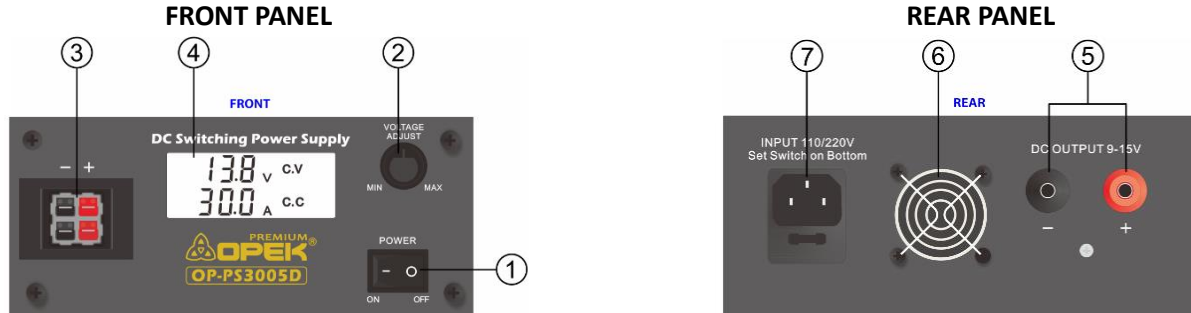
OP-PS3005D

30 Amp Switching Power Supply – Manual

● INTRODUCTION

OP-PS3005D is a high efficiency, small footprint, lightweight, high performance switching power supply. It is exceptionally immune to Radio Frequency Interference at close range. It has the small footprint of popular radio transceivers, The constant current protection, over temperature protection and output Over Voltage Protection(OVP) ensure better reliability and safer protection to both the power supply and its connected load. One main DC output at rear and front mounted Anderson power poles provide convenient DC connectivity. It has excellent line and load regulation, low ripple and noise.

● PART NAMES AND FUNCTIONS



1. **Power switch** : Turns the unit on and off.
2. **Voltage adjustment**: Adjusts voltage between 9.0 and 15.0 volts. Turn clockwise to increase and counter clockwise to decrease the voltage. When it is set at the center position, it will be 13.8 volts.
3. **Anderson Power Poles output terminal**: 30A max.
4. **3 Digital LCD Meter**: Displays the voltage or current.
5. **Output terminal**: 30A max; Red positive; Black negative.
6. **Cooling fan**
7. **Input power cable**: 110V/220V 50/60Hz

● SPECIFICATIONS

1. **Input voltage**: 110V/220V 50/60Hz, select with switch on bottom of unit
2. **Output voltage**: Fixed 13.8VDC \pm 0.5V, 9-15V Adjustable
3. **Output voltage regulation**: less than 2%
4. **Protection**: Overload, Over Temperature, Short Circuit Protection by Constant Current Circuitry and Output Over Voltage Protection
5. **Output current**: 30A(Max), 28A(Continuous)
6. **Ripple & Noise**: \leq 100mVp-p
7. **Fuse**: 110V:8A / 220V:5A
8. **Dimensions**: 165x80x200 mm
9. **Weight**: 1.54 kg



Caution:

- Install the power supply only indoors. It is not designed for operation outdoors or in wet environments.
- Even though the chassis of the unit is negatively grounded, use correct terminals to connect cable.
- Before replacing a fuse make sure that the unit has been turned off. Be sure to use the specified type of fuse.
- Make sure the product is always suitably grounded to prevent electric shock and to reduce noise.
- Never touch the unit while it is working. Even though it is designed for high efficiency, the unit will still get hot.
- Never disassemble, modify, and touch the inside of the unit unnecessarily. That could cause damage to the product and make the warranty invalid.

2 YEAR - LIMITED WARRANTY

12 Volt Power is the distributor for this power supply product manufactured by OPEK. 12 Volt Power offers this product to be free from defects in material and workmanship for a 2-year period from date of purchase, provided the following terms of this warranty are satisfied.

1. This power supply unit is manufactured by OPEK to the 12 Volt Power specifications.
2. This power supply unit includes a 2-year limited warranty to the original purchasing customer and is not transferable. 12 Volt Power agrees to repair or replace at our option without charge for any defective product under our warranty.
3. The purchaser must retain the dated proof-of-purchase (sales receipt) describing the product to establish the validity of the warranty claim and submit the original or photocopy of such proof-of-purchase to 12 Volt Power at the time to obtain warranty service. 12 Volt Power reserves the right to deny a warranty claim, without dated proof-of-purchase sales receipt.
4. Any evidence of tampering and/or modification of this sealed unit will void the warranty.
5. Under no circumstances is 12 Volt Power or the manufacturer, OPEK, liable for consequential damages to persons or property while operating this power supply.
6. Please contact us with any questions regarding the operation of this product.
7. **TO OBTAIN WARRANTY SERVICE WORK/REPAIR:** The customer shall include a copy of the sales receipt, along with a short description of the problem they are experiencing with the unit. This unit should be packed carefully in a cardboard box with packing material to protect it.

NOTE: the customer is responsible for the shipping charges back to 12 Volt Power. The address is listed below. After warranty, repair or replacement, 12 Volt Power will pay the return shipping charges back to the customer located in North America. International customers, please contact 12 Volt Power at our phone number or web page listed below.

Important Safety Information

Please read these warnings before using the **OP-PS3005D** power supply.



Warning: Safe operation

To reduce the risk of fire or electric shock, please adhere to these warnings:

Moisture: Do not expose this appliance to water or moisture.

Cleaning: Unplug the power supply from the mains power outlet before cleaning. Switching off the power supply will not reduce this risk.



Ventilation: Place the power supply in an area that will allow air to flow freely around the unit. This will prevent the power supply and mobile radio from overheating. Do not block or obstruct any of the ventilation openings on the unit.

Warning: Electrical connections

To reduce the risk of fire or electric shock, please adhere to these warnings:

The power supply should be properly connected and grounded. Use the provided AC power cable to connect the power supply to a mains power outlet that is properly installed and grounded, in accordance with all local codes and ordinances. If the power supply cord is damaged, it must be replaced with the same type to comply with safety requirements.



Warning: Servicing

This power supply should be serviced by a qualified service technician. Incorrect assembly may result in electric shock or fire.



Warning: High voltage levels

Some of the components inside the power supply can operate at voltage levels that may be lethal.

Caution: Place the power supply in a well ventilated and cool area. Do not block the ventilation openings on the sides, back or top of the unit.

Manufactured by **OPEK**

Distributed by **12 Volt Power** 15036 Sierra Bonita Lane, Chino, CA 91710 USA

Phone: (657) 295-6315 Toll free: (800) 962-2611 www.12VoltPower.com