

# DC POWER SOURCE



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## SPS - 1206

### REGULATED DC POWER SUPPLY

## USER MANUAL

P/N : 011001

## I YEAR LIMITED WARRANTY

Purchase Date \_\_\_\_\_

Purchase Location \_\_\_\_\_

Purchase Price \_\_\_\_\_

Model Number: **SPS - I206**

Serial Number \_\_\_\_\_

Notes: \_\_\_\_\_

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Samlex America, Inc. warrants to the original consumer (the "Purchaser") that its products are free from manufacturing defects, both as to workmanship and materials. Samlex will repair or, at Samlex's option, replace any Model SPS-I206 power supply unit (the "Product") which is defective in material or workmanship for a period of one (1) year from the original date of purchase. This warranty does not apply if the Product is damaged by abuse, modification, negligence or disaster. This warranty is limited to the repair or replacement of the defective Product and no other warranty against loss or damage is implied or intended. In no event will Samlex be liable for any damages suffered resulting from the use or inability to use the Product, or for any claims by any other party. To obtain warranty service the Purchaser is responsible to return the Product to the point of purchase, including proof of purchase showing date, by pre-paid freight. If upon Samlex's examination the defect proves to be the result of defective workmanship or material, the Product will be repaired or replaced at the option of Samlex, without charge to the Purchaser; and returned to the Purchaser at the expense of Samlex. No other express warranty is hereby given and there are no warranties which extend beyond those described herein. This warranty is expressly in lieu of any other expressed or implied warranties, including any implied warranty of merchantability, fitness for ordinary purposes for which the Product is used or fitness for a particular purpose, or any other obligations on the part of Samlex or its employees and representatives. There shall be no responsibility or liability whatsoever on the part of Samlex or its employees and representatives for injury to any persons, or damage to property, or loss of income or profit, or any other consequential or resulting damage which may be claimed to have been incurred through the use or sale of the Product, including any possible failure or malfunction of the Product, or part thereof. Samlex assumes no liability for incidental or consequential damages of any kind.

**No registration is required to validate this warranty however, a copy of the bill of sale must be presented when making a warranty return.**

## PRECAUTIONS

The power supply must be placed in an area that will allow air to flow freely around the unit. Keep the power supply away from moisture and water.

## TROUBLESHOOTING

### *1. Problem: Output power drops to less than 13V on applying load*

#### Probable cause

Current limit protection has been activated

#### Suggested Remedy

Reduce load to 5.5A max.

### *2. Problem: no output power*

#### Probable cause

Fuse is blown

#### Suggested Remedy

Check fuse and if blown, replace with similarly rated fuse.

Unit has been short circuited

Remove short circuit; unit will automatically restart.

Input voltage is erratic

Check input voltage for abnormally high or low voltage fluctuation and stabilize.

Connections are loose

Check and secure all output terminal connections.

## CAUTION



RISK OF ELECTRIC SHOCK  
DO NOT OPEN



WARNING —TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. THERE ARE NO USER SERVICEABLE PARTS INSIDE — REFER TO QUALIFIED SERVICE PERSONNEL.

## IMPORTANT SAFETY INSTRUCTIONS

- 1) It is recommended that you return your power supply to a qualified Samlex dealer for any service or repair. Incorrect assembly may result in electric shock or fire.
- 2) To reduce the risk of electric shock, unplug the power supply from outlet before attempting any maintenance or cleaning. Turning off the ON/OFF switch controls will not reduce this risk.
- 3) An extension cord should not be used unless absolutely necessary. If an extension cord must be used make sure that the pins on the plug are the same number, size and shape as those of the original power supply plug.

## WARNING!

Your power supply should be grounded to reduce the risk of electric shock. The power supply is equipped with a grounding conductor and grounding plug.

The cord must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Never alter the AC cord or plug provided. If the cord will not fit the outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in risk of electric shock.

## DESCRIPTION

The Samlex SPS-I206 was designed using advanced switchmode technology for high reliability, high efficiency and minimum size and weight.

The SPS-I206 is suitable in a variety of applications including power for cellular telephones, testing of cellular accessories, hobbies, automotive accessories and OEM applications.

## OPERATION

The SPS-I206 power supply is designed to convert input 120 VAC 60Hz into regulated 13.2 volt DC output.

**DO NOT CONNECT THE POWER SUPPLY TO THE AC POWER SOURCE WHILE MAKING CONNECTIONS.**

### CONNECTIONS :

#### **I) Using the terminals located on the back of the power supply.**

To connect your DC device to the terminals, located on the back of the power supply, depress the red terminal connector and feed the positive (red) lead wire from the device, into the hole in the positive (red) terminal and then release the terminal connector. Depress the black terminal connector and feed the negative (black) lead wire from the device into the hole in the negative (black) terminal and then release the terminal. Make certain that both lead wires are secure.

#### **2) Using the cigar lighter socket on the front of the power supply.**

When using the "cigar lighter socket" output connection, make certain that the polarity between the DC device and the "cigar plug" is correct.

The correct polarity is :

**Center ( + ) Positive**

**Outside ( - ) Negative**

Plug the AC plug into a standard household AC receptacle.

Press the ON/OFF Switch to the "ON" position and observe that the indicator light in the switch illuminates. Your DC device should now operate normally. If the switch does not illuminate, check all connections and make certain that your AC source is functional.

## SPECIFICATIONS

Input voltage	120 VAC 60Hz	
Output voltage	13.2 VDC	
Output current	5.5 Amps	
Current limiting	6 Amps	
Short circuit protection	Yes	
Weight	2 lbs net	
Dimensions (inches)	3.80" W x 6.00" L x 2.00"H	
(cms)	9.65W x 15.24L x 5.08H	

Specifications are subject to change without notice.