

File E135803
Project 99SC41107

February 23, 1999

REPORT

ON

COMPONENT - POWER SUPPLIES,
INFORMATION TECHNOLOGY EQUIPMENT,
INCLUDING ELECTRICAL BUSINESS EQUIPMENT

Condor D C Power Supplies Inc.
Oxnard, California

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DESCRIPTION

PRODUCT COVERED:

* USR/CNR - Switching Power Supply, Models SP1749, and GPFC110-X-C where X represents the output voltage which may be any number from 5 thru 48. Suffix -C indicates optional cover is provided.

ELECTRICAL RATINGS:

Input: 100-240 V ac, 50/60 Hz, 2.3 A. Outputs:

MODEL		No Cover		With Cover	
		0 LFM	100 LFM	0 LFM	100 LFM
GPFC110-12	12 V	6.7 A	9.2 A	6.3 A	9.2 A
GPFC110-12.6	12.6 V	6.3 A	8.7 A	6.0 A	8.7 A
GPFC110-15	15 V	5.3 A	7.3 A	5.0 A	7.3 A
GPFC110-24	24 V	3.4 A	4.6 A	3.1 A	4.6 A
GPFC110-28	28 V	2.9 A	3.9 A	2.7 A	3.9 A
GPFC110-48	48 V	1.7 A	2.3 A	1.6 A	2.3 A
GPFC110-5	5.1 V	11.0 A	15.0 A	9.0 A	15.0 A

* Input: 100-240 V ac, 50/60 Hz, 2.3 A (GPFC110 Series)
Output: Ratings for output voltages 5 thru 11
75 W max., with a min. of 100 LFM, with or without cover.
55 W max., no airflow, without cover.
45 W max., no airflow, with cover.

Ratings for output voltages 12 thru 48
110 W max., with a min. of 100 LFM, with or without cover.
80 W max., no airflow, without cover.
75 W max., no airflow, with cover.

Input: 110-240 V ac, 50/60 Hz, 2.3 A (SP1749)
Output: 6.4 V dc @ 13.0 A (0 LFM) at 50 °C ambient
or 6.4 V dc @ 14 A (0 LFM) at 45 °C ambient
or 6.4 V dc @ 14 A (50 LFM) at 50 °C ambient.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

This product is for use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, CSA C22.2 No. 60950 UL 60950, Third Edition.

The equipment is for building in, Class I (earthed), for use on a TN power system.

Conditions of Acceptability - When installed in the end-use equipment, the following are among the considerations to be made:

- 1.* This component has been judged on the basis of the required spacings in the Standard for Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2 No. 60950 UL 60950, Third Edition, which would cover the component itself if submitted for unrestricted listing.
2. All secondary output circuits are SELV and are not hazardous energy levels.
3. The terminals and connectors have not been evaluated for field wiring.
- 4.* The power supply shall be properly bonded to the main protective earthing termination in the end product as this unit was investigated for Class I construction as defined in CSA C22.2 No.60950 UL 60950. An additional evaluation shall be made if the power supply is intended for use in other than Class I equipment.
5. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.
6. Magnetic device transformer T2 employs an OBJY2 electrical insulation system designated Class F. Inductor T1 employs bobbin material rated 130°C in the thickness used.
7. The equipment has been evaluated for use in a Pollution Degree 2 environment.
8. The component shall be installed in compliance with the enclosure, mounting, spacing, casualty markings and segregation requirements of the end-use application.
9. This power supply was evaluated for use in a 50°C ambient. An additional evaluation should be made if the power supply is intended to be used in an elevated ambient.



Product Service

CERTIFICATE

No. B 06 06 59743 005

Holder of Certificate: SL Power Electronics, Corp.

6050 King St. Bldg A
Ventura CA 93003
USA

Production Facility(ies):

16784, 52962

Certification Mark:



Product:

**Switching power supply unit
(AC/DC Switching Power Supply)**

Model(s):

**SP1749 G and GPFC110-x-C G Series
(where x represents the output voltage, which may be any number from 5 thru 48, and; Suffix -C, when used, indicates optional cover, and; may be followed by an optional "G" which indicated compliance with RoHS)**

Parameters:

Rated Input Voltage: SP1749: 110 - 240 V ac
GPFC110 Series: 100 - 240 V ac
Rated Input Frequency: 50 / 60 Hz
Rated Input Current: 2.3 A
Protection Class: I

Rated Outputs: Please see attachment for details.

Please see attachment for additional information, and Conditions of Acceptability.

Tested according to: EN 60950-1/A11:2004

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. See also notes overleaf.

Test report no.: 095-602105-000

Date, 2006-06-23

William A Wauthold

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Product Service

Attachment to certificate No. B 06 06 59743 005
for SL Power Electronics, Corp.
AC/DC SWITCHING POWER SUPPLIES

SP1749 G, and GPFC110-x-C G Series.

Where x represents the output voltage, which may be any number from 5 thru 48, and;

Suffix -C, when used, indicates optional cover, and;

May be followed by an optional "G" which indicated compliance with RoHS.

The equipment (DC Power Supplies) covered by this report, are components, which are intended for use in Information Technology Equipment.

OUTPUT: Refer to table for standard output voltage models.

GPFC110 Series

MODEL	No Cover		Cover option (Suffix -C)	
	0 LFM	100 LFM	0 LFM	100 LFM
GPFC110-5	5.1 V dc / 11.0A	5.1 V dc / 15A	5.1 V dc / 9.0A	5.1 V dc / 15A
GPFC110-12	12 V dc / 6.7 A	12 V dc / 9.2 A	12 V dc / 6.3 A	12 V dc / 9.2 A
GPFC110-12.6	12.6 V dc / 6.3 A	12.6 V dc / 8.7 A	12.6 V dc / 6.0 A	12.6 V dc / 8.7 A
GPFC110-15	15 V dc / 5.3 A	15 V dc / 7.3 A	15 V dc / 5.0 A	15 V dc / 7.3 A
GPFC110-24	24 V dc / 3.4 A	24 V dc / 4.6 A	24 V dc / 3.1 A	24 V dc / 4.6 A
GPFC110-28	28 V dc / 2.9 A	28 V dc / 3.9 A	28 V dc / 2.7 A	28 V dc / 3.9 A
GPFC110-48	48 V dc / 1.7 A	48 V dc / 2.3 A	48 V dc / 1.6 A	48 V dc / 2.3 A

Ratings for output voltages 5 thru 11
 75 W Max., with a minimum of 100 LFM,
 with or without cover.
 55 W Max., no airflow, without cover.
 45 W Max., no airflow, with cover.

Ratings for output voltages 12 thru 48
 110 W Max., with a minimum of 100 LFM,
 with or without cover.
 80 W Max., no airflow, without cover.
 75 W Max., no airflow, with cover.

SP1749

Ratings for output with convection cooling
 6.4 V dc / 13.0 A (0 LFM) at 50°C
 6.4 V dc / 14.0 A (0 LFM) at 45°C

Ratings for output with forced-air cooling
 6.4 V dc / 14.0 A (50 LFM) at 50°C

CONDITIONS OF ACCEPTABILITY:

When installed in the end use equipment, the following are among the considerations to be made:

The following must be evaluated at end use:

- 1) Fire and mechanical enclosure must be provided.
- 2) A reliable ground (Protective Earth) connection.

William A. Wentworth

Report Number: 095-602105-000

2006-06-23