INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)
COMMISSION ELECTROTECHNIQUE INTERNATIONALE (CEI)

Ref. Certif. No.
US/6711/UL

IEC SYSTEM FOR CONFORMITY TESTING AND CERTIFICATION OF ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

SYSTEME CEI D'ESSAIS DE CONFORMITE ET DE CERTIFICATION DES EQUIPEMENTS ELECTRIQUES (IECEE)
METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product
Produit

DC Power Supply

Name and address of the applicant
Nom et adresse du demandeur

Condor D C Power Supplies, Inc.
2311 Statham Pky
Oxnard, CA 93033, USA

Name and address of the manufacturer
Nom et adresse du fabricant

Condor D C Power Supplies, Inc.
2311 Statham Pky
Oxnard, CA 93033, USA

Name and address of the factory
Nom et adresse de l'usine

Industrias SL, S.A. de C.V.
Costa Rica No. 60
col. Cuauhtemoc
Mexicali B.C., Mexico

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

Input: 100-240 V ac, 4.0 A
Output voltage range = 12 through 48 V dc; Output Power = 180 Watts maximum with a minimum of 150 LFM, with or without cover. 150 Watts maximum with no airflow and no cover. 132 Watts maximum with no airflow and with cover. Fan output is 12 V dc, 0.25 A

Trademark (if any)
Marque de fabrique (si elle existe)

CONDOR

Model / Type Ref.
Ref. de type

GLD150-X-C-YYY, where X represents the output voltage which may be any number from 12 through 48. Suffix -C, when used, indicates optional cover is provided, and YYY a numerical sequence that indicates minor change that do not effect safety.

Additional information (if necessary)
Information complémentaire (si nécessaire)

This Report comprises 10 Enclosures.

A sample of the product was tested and found to be in conformity with
Un échantillon de ce produit a été essayé et a été considéré conforme à la

PUBLICATION	EDITION
IEC 60601-1 (1988) Second Edition, with Amendment No. 1 (1991) and No. 2 (1995), with the exception of: Clause 36, EMC, Clause 48, Biocompatibility, Clause 52.1, Programmable Electronic Systems. National Differences for U.S.A and Canada evaluated.	

as shown in the Test Report Ref. No.
which forms part of this Certificate
comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

E116994-V1-S67

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Underwriters Laboratories Inc.®

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Date: Issued: 2003 January 23

Signature:

Jolanta M. Wroblewska

DESCRIPTION

PRODUCT COVERED:

USR, CNR - COMPONENT, Switching Power Supply, Medical and Dental, *Model GLD150-X-C-YYY **G** where X equals any number from 12 through 48, C is an optional cover, and YYY is **any number 000 through 999. (YYY** denotes **value added options** that do not effect safety **and the suffix G denotes compliance with RoHS.) (RoHS compliance has not been evaluated by UL)**

ELECTRICAL RATINGS:

Input: 100-240 V ac, 50/60 Hz, 4.0 A.

Output: Voltage Range = 12 through 48 V dc
Power = 180 Watts maximum with a minimum of 150 LFM, with or without cover.
150 Watts maximum with no airflow and no cover.
132 Watts maximum with no airflow and with cover.

Fan output is 12 V dc, 0.25 A

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

USR – Indicates investigation to the Standard for Medical Electrical

* Equipment, UL **60601-1**, **First** Edition

CNR – Indicates investigation to Canadian Standard CSA C22.2 No. 601.1 **M90**

For use in product where the acceptability of the combination is determined by Underwriters Laboratories Inc.

ENGINEERING REFERENCES:

Following Illustrations are provided for engineering references:

ILL. 1 – Isolation Diagram
ILL. 2 – Installation Instruction Sheet
ILL. 3 – PWB Trace Layout
ILL. 4 – Transformer Construction Detail (T3 & T4)

Condition 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 Second Edition of the Standards for Medical Electrical Equipment,
* Part 1: General Requirements for Safety, UL **60601-1**, which covers the end use product for which the component is designed.

2. The component shall be installed in compliance with the enclosure, mounting, spacing, casualty markings and segregation requirements of the end-use application.

3. Consideration should be given to measuring the temperature on power electronic components and transformer windings when the power supply is installed in the end-use equipment.

4. The input/output connectors are not acceptable for field connections, they are only intended for connection to mating connectors of internal wiring inside the end-use machine.

5. The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).

6. The component should be properly bonded to ground in the end-use equipment.

7. The Temperature Test was performed in a raised ambient of 50°C.

8. The isolation transformer, T3, complies with Class 155 limits, and T4, complies with Class 180 limits.

9. Leakage current testing should be repeated in the end product application.

10. The power supply was evaluated as Reinforced **Insulation** between primary and secondary; **Basic Insulation** between primary to ground.

11. This power supply has been evaluated as Class I, continuous operation, ordinary equipment and has not been evaluated for use in the presence of a flammable anesthetic mixture with air, oxygen, or nitrous oxide.

12. These power supplies have been evaluated for patient care equipment, but not patient connected.

13. Under normal and single fault conditions, the outputs do not exceed 25 V ac or 60 V dc.

ZERTIFIKAT • CERTIFICATE • 認証書 • СЕРТИФИКАТ • CERTIFICADO • CERTIFICAT

Product Service

CERTIFICATE

No. B 06 06 59743 002

Holder of Certificate: **SL Power Electronics, Corp.**
6050 King St. Unit A
Ventura CA 93003
USA

Production Facility(ies): 16784

Certification Mark:

Product: **Switching power supply unit (Switching Mode Power Supply)**

Model(s): **GLD150-X-YYY-C G Series, MSP1763**
(For further information, please see attachment)

Parameters:

Rated Input Voltage:	100 - 240 V AC
Rated Frequency:	50 / 60 Hz
Protection Class:	I
Rated Outputs:	Please see attachment.

Please see attachment for additional information and Conditions of Acceptability.

Tested according to: EN 60601-1/A13:1996

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.: SM1J0021904 Mod2

Date, 2006-06-13 William A Wentholt FOR PING HE

218665

Product Service

Attachment to Certificate B 06 06 59743 002
For SL Power Electronics, Corp.

SWITCHING MODE POWER SUPPLY

	GLD150-X-YYY-C G Series	MSP 1763
Fan Output:	12 V dc, 0.25 A	
Rated Output Voltage:	See suffix -"X"	24 V dc
Rated Output Current:	* Based on Notes 1 through 3	6.2 A
Rated Output Wattage:	* See Notes 1 through 3 below	
-"X" suffix	"X" represents the output voltage which may represent any model number 12 through 48	Not Applicable
-"YYY" suffix	Represents any alpha numeric characters for value added options not related to Safety	Not Applicable
-"C" suffix	"C", when used, indicates optional cover is provided (refer to Installation Instructions for additional information)	Not Applicable
"G" suffix	Represents RoHS Compliant	Not Applicable

Notes:

1. 180 W maximum with a minimum of 150 LFM, with or without cover.
2. 150 W maximum with no airflow and no cover.
3. 132 W maximum with no airflow and with cover.
4. Maximum ambient temperature for rated output current is 50°C.
5. Units should be allowed to warm-up under non-condensing conditions before application of power.
6. Degree of protection against electric shock = Not acceptable for applied part without additional isolation (contact factory for details).
7. Mode of operation: Continues
8. Storage: -40°C to +85°C

CONDITIONS OF ACCEPTABILITY:

When installing the equipment, all requirements of the standard and manufacturer's specifications must be met.

The above models require:

1) A suitable electrical and fire enclosure at end use.
2) The above notes must be followed at end use.

William A Wentworth FOR PING HE

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