

DESCRIPTION ,

PRODUCT COVERED:

USR, Switching Power Supplies, Model GPC41-X, where X represents the output voltage , which may be any number from 5 thru 28. Models may or may not be followed by -XXX, where XXX may be any number from 001 thru 999.

ELECTRICAL RATINGS:

Input: 100-240 V ac, 50/60 Hz, 1.3 A

Outputs: Models with output voltages 5V through 11.5 V may have maximum output power of 30 Watts. Models with output voltages 11.6 V through 28 V may have maximum output power of 40 Watts.

Model	Output Voltage	Maximum Output Current	Maximum Output Power
GPC41-5	5 V	6 A	30 W
GPC41-12	12 V	3.3 A	40 W
GPC41-15	15 V	2.7 A	40 W
GPC41-24	24 V	1.7 A	40 W
GPC41-28	28 V	1.4 A	40 W

*

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

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Special Considerations - The following items are considerations that were used when evaluating this product.

USR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment - Safety - Part 1: General Requirements, CSA C22.2 No. 60950-1-03 * UL 60950-1, First Edition.

The component was submitted by the manufacturer for use in a maximum air ambient of 50°C.

The equipment is: For building in, Class I (earthed), pluggable Type A or B, intended for use in a TN power system.

Conditions of Acceptability - When installed in the end product, consideration shall be given to the following:

1. **This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment - Safety - Part 1: General Requirements, CSA C22.2 No. 60950-1-03 * UL 60950-1, First Edition, which would cover the component itself if submitted for Listing.**
2. The products were tested on a 20 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
3. All secondary output circuits are SELV and are not hazardous energy levels.
4. The terminals and connectors have not been evaluated for field wiring.
5. The power supply shall be properly bonded to the main protective earthing termination in the end product.
6. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.
7. Magnetic device Transformer T2 employs an (OBJY2) electrical insulation system designated Class F.
8. The equipment has been evaluated for use in a Pollution Degree 2 environment.
9. **All power supplies, except Models GPC41-5 comply with the Limited Power Source requirement in Clause 2.5 of UL 60950-1.**
10. This power supply was evaluated for use in a 25°C and 50°C ambient. An additional evaluation should be made, if the power supply is intended to be used in an elevated ambient.
11. This power supply was tested with a UL Listed 2.5 A, 250 V, external input line fuse. An additional evaluation should be made if an input line fuse greater than 2.5 A is to be used in the end product.

CONSTRUCTION DETAILS:

See Section General for additional details.

Operating/Instruction/Safety Manual - Provided with each unit. See ILL. 2 for installation instructions.

Printed Wiring Board - See Section General for details.

General appearance of trace layout same as in ILL. 1. Board rated 130°C.

Model Differences - All models are single output power supplies and are the same, except for output ratings. The suffix -XXX represents valued added customized configurations that do not compromise the safety integrity of the products.



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1125259 (LR 46516C)

Master Contract: 150684

Project: 1722945

Date Issued: 2005/10/21

Issued to: **Condor D.C. Power Supplies Inc.**

2311 Statham Pky
Oxnard, CA 93033
USA

Attention: Mr. Ross Sacolles

The products listed below are eligible to bear the CSA Mark shown



Issued by: Eugen Velea, M.A.Sc. E.Eng.

Authorized by: Shane Stevenson, Product
Group Manager

PRODUCTS

CLASS 5311 07 - POWER SUPPLIES - Component Type - (CSA 60950-1-03)

CLASS 5311 20 - POWER SUPPLIES - Component Type - For Use in Medical Equipment

Component Power supplies for use in other equipment where the acceptability of the combination is to be determined by CSA International.

Model Numbers: GPC41-X, where X represents the output voltage which may be any number from 5 thru 28.

Models may or may not be followed by -XXX, where XXX may be any number from 001 thru 999. The -XXX suffix are used for value added configurations that have no impact on safety. Input rated 100-240 V, 50/60 Hz, 1.3 A; output rated 40 W max.

Notes:



Certificate: 1125259 (LR 46516C)

Master Contract: 150684

Project: 1722945

Date Issued: 2005/10/21

1. Maximum ambient temperature for rated output is 50 °C.
2. Maximum Operating Relative Humidity 96 %, no condensation.
3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.

Component power supplies for use in medical equipment where the suitability of the combination is to be determined by CSA International.

Model Numbers: GPM41-X, where X represents the output voltage which may be any number from 5 thru 28.

Models may or may not be followed by -XXX, where XXX may be any number from 001 thru 999. The -XXX suffix are used for value added configurations that have no impact on safety. Input rated 100-240 V, 50/60 Hz, 1.3 A; output rated 40 W max.

Model MSP1579, input rated 100-240V, 50/60 Hz, 1.3 A; dc output rated 16.5 V/2.4 A.

Model MSP1675, input rated 100-240V, 50/60 Hz, 1.3 A; dc output rated 15 V/2.7 A.

Notes:

1. Maximum ambient temperature for rated output is 50 °C.
2. Maximum Operating Relative Humidity 96 %, no condensation.
3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.
4. All outputs are intended for Signal Output and Intermediate Circuits only. The output is not acceptable for patient connection without additional isolation.
5. The outputs are SELV during normal and single fault conditions.
6. The isolation voltage from primary to secondary is 4000 V ac. The creepage distance between primary and secondary circuits is 8 mm minimum.
7. External overcurrent protection is required.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 60950-1-03 Safety of Information Technology Equipment, Part 1: General Requirements

CAN/CSA-C22.2 No. 601.1 Medical Electrical Equipment, Part 1: General Requirements for Safety



CERTIFICATE

No. B 06 01 14549 264

Holder of Certificate: **Condor DC Power Supplies, Inc.**

2311 Statham Parkway
Oxnard, CA 93033
USA

Production Facility(ies): 16784, 52962

Certification Mark:



Product: **Power supply
Switching Power Supplies**

Model(s): **GPC41 Series
GPC41-X, where X is the output voltage,
which may be any number from 5 thru 28.
Models may or may not be followed
by -XXX, where XXX may be any number
from 001 thru 999. The -XXX suffix
are used for value added configurations
that have no impact on safety.**

Parameters:

Rated input voltage:	100 - 240 VAC
Rated frequency:	50 / 60 Hz
Rated input current:	1.3 A
Rated output voltage:	See attachment
Rated output current:	See attachment
Protection class:	I
See attachment for model details 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.: SI500149-121

Date, 2006-01-12

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William A. Werthelt



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Attachment to Certificate B 06 01 14549 264
 Condor DC Power Supplies, Inc.

MODEL NUMBERS: GPC41-X, where X represents the output voltage which may be any number from 5 thru 28. Models may or may not be followed by -XXX, where XXX may be any number from 001 thru 999. The -XXX suffix are used for value added configurations that have no impact on safety.

RATINGS:

Input: 100-240 V ac, 1.3 A, 50/60 Hz

Output: 6 A or 40 W maximum or see table for standard output voltage models.

Model	Output	Watts
GPC41-5	+5 V dc 6.0 A	30
GPC41-12	+12 V dc 3.3 A	40
GPC41-15	+15 V dc 2.7 A	40
GPC41-24	+24 V dc 1.7 A	40
GPC41-28	+28 V dc 1.4 A	40

Notes:

1. Maximum operating ambient temperature for rated output is 50 °C.
2. Maximum Relative Humidity 96 %, no condensation.
3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.

When installing the equipment, all requirements of the specified standard must be met.

Report Reference Number: SI500149-121

William A Wauthole

2006-01-12

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 TÜV Süddeutschland Group