



Ref. Certif. No.

DE 3 - 84030

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CFI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

Name and address of the applicant
Nom et adresse du demandeur

Name and address of the manufacturer
Nom et adresse du fabricant

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

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

Trade mark (if any)
Marque de fabrique (si elle existe)

Model/type Ref.
Ref. de type

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

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

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

Switching power supply unit
(AC/DC Switching Power Supplies)

SL Power Electronics, Corp.
6050 King Drive Bldg A
Ventura CA 93003, USA

SL Power Electronics, Corp., 6050 King Drive Bldg A, Ventura CA 93003, USA

Industrias SL S.A. de C.V., Calle Cost Rica No. 60, Col. Cuauhtemoc, Mexicali, B.C., MEXICO
For further information please see attachment

Input Voltage, AC: 100 - 240 V
Input Frequency: 50 / 60 Hz
Input Current: 3.0 A maximum for GLC75-X series
3.1 A maximum for GLC75X series
2.9 A maximum for SP1663 & SP1663G

Protection Class: I
Rated DC Outputs: model dependent see attachment
For further information please see attachment.

Condor

GLC75X Series, GLC75-X Series, SP1663 and SP1663G
(For further model information please see attachment)

CBTL

IEC 60065/A1:2005

TÜV SÜD Product Service
095-806591-000

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

Date, 2008-09-09
CB 08 09 59743 034

Joseph Janelunas



TÜV SÜD Product Service GmbH · Certification Body · Ridlerstrasse 65 · D-80339 München

Product Service

Additional factory information:

Name and address of the factory (52962) Shanghai GES Information Technology Co. Ltd.
Nom et adresse de l'usine No. 668 Li Shi Zhen Rd
 Shanghai Zhangjiang Hi-Tech Park, China

GENERAL PRODUCT INFORMATION:

The GLC75 Series includes Single Output and Multi Output models. The AC / DC Switching Power Supplies covered by this report are components for building-in.

CONDITIONS OF ACCEPTABILITY:

When installed in the end use equipment, all the requirements of the referenced standards must be met. 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 with correct spacings.
- 2) A reliable ground (Protective Earth) connection.
- 3) Maximum operating temperature: 50 °C
- 4) One of the following fuse-links shall be connected before Pln 5 of J1 of this power supply at the end installation
 - P/N: S505-5-R manufactured by Bussman
 - P/N: 215.005P manufactured by Littelfuse
 - P/N: 0001.2511 manufactured by Schurter.

SINGLE OUTPUT MODELS

GLC75-X Series, models are single output power supplies. Where X represents the output voltage, which may be any number from 5 thru 28. May optionally be followed by suffix -L, -XXX, and/or G, where:

- L indicates optional chassis is provided;
- XXX indicates value added configurations that have no impact on safety which may be any number from 001 thru 999 (e.g. Burn-in processes, Metric Vs SA hardware, Customer Notifications, Custom Harness on Outputs, Customer Number); and/or;
- G indicates RoHS version.

OUTPUT: 5 thru 28 V, 20 thru 4 A.

Ratings for output voltages 5 thru 11	Ratings for output voltages 12 thru 28
70 W maximum, convection cooled.	75 W maximum, convection cooled.
100 W maximum, with a minimum of 26 CFM airflow.	110 W maximum, with a minimum of 26 CFM airflow.

Notes:

1. Maximum operating ambient temperature 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.

Date: 2008-09-09
 Report No.: 095-806591-000
 CB 08 09 59743 034
 Page 2 of 3




Product Service



Ref. Certif. No.

DE 3 - 84030

MULTIPLE OUTPUT MODELS**GLC75X Series** models are multiple output power supplies.

Where X may be the letters A, B, C, D, E, F, H, J or P. The GLC75X Series may be optionally followed by -CV, -L, -LC, -V, -XXX and/or G, where:

- CV indicates optional voltage adjust for output #1 and bracket/cover;
- L indicates optional L bracket;
- LC indicates bracket/cover;
- V indicates output adjust for output #1;
- XXX indicates value added configurations that have no impact on safety which may be any number from 001 thru 999 (e.g. Burn-In processes, Metric Vs SA hardware, Customer Notifications, Custom Harness on Outputs, Customer Number);
- G indicates RoHS version.

OUTPUT:

Maximum Continuous Power, total of all outputs at ambient of 50 °C. Refer to table for standard output voltage models

Standard		With Chassis/Cover (Note 4)	
26 CFM	0 CFM	26 CFM	0 CFM
110 Watts	75 Watts	110 Watts	65 Watts

MODEL	Output #1		Output #2		Output #3		Output #4					
	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2	Note 1	Note 2				
GLC75A	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75B	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-5 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75C	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75D	+5.1 V	8 A	10 A	+24 V	2.5 A	2.5 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75E	+5.1 V	8 A	10 A	+24 V	2.5 A	2.5 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75F	+5.1 V	8 A	10 A	+15 V	2.5 A	3.0 A	-5 V	1.0 A	1.0 A	-15 V	2.5 A	3.0 A
GLC75H	+5.1 V	8 A	10 A	+15 V	2.5 A	3.0 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75J	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-12 V	1.0 A	1.0 A	5 V	2.0 A	3.0 A
GLC75P	+5.1 V	8 A	10 A	+24 V	4.0 A	4.0 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A

- Notes:
1. Maximum ratings for 0 CFM airflow without chassis/cover.
 2. Maximum ratings for 26 CFM airflow.
 3. Maximum Operating Relative Humidity 96 %, no condensation.
 4. Contact Condor Technical Support for airflow requirements when using chassis/cover option.

SP1663 and SP1663G models are multi output models as well. They are custom (Special Purpose) variations of the GLC75X Series units.**OUTPUTS:**

50 W Maximum Continuous Power, total of all outputs at ambient of 50 °C.

Output #1	Output #2	Output #3
+5.1V / 6A	+12V / 1.5A	-12V / 1.0A

- Notes:
1. Maximum Operating Relative Humidity 96 %, no condensation.
 2. Contact Condor Technical Support for airflow requirements when using chassis/cover option.

Date: 2008-09-09
 Report No.: 095-806591-000
 CB 08 09 59743 034
 Page 3 of 3




Product Service

DESCRIPTION:

PRODUCT COVERED:

USR - Switching Power Supply, Model GLC75, followed by suffix A, B, C, D, E, F, J, P, may or may not be followed by -CV, -L, -LC, or -V, Model GLC75-X where X may be any number from 5 thru 28, may or may not be followed by suffix -L, Model GLC75-24-102, Model SP1583A, and Model SP1663.

ELECTRICAL RATINGS:

Input: 100-240 V ac, 50/60 Hz, 3.1 A (GLC75 Multi-Output Models)

Outputs: Maximum output power is 75 W with convection cooling; 65 W with chassis/cover option with convection cooling; 110 W with airflow specified below. Model SP1663 maximum output power is 50 W with convection cooling.

Model	Output #1		Output #2		Output #3		Output #4	
	0 cfm	26 cfm	0 cfm	26 cfm	0 cfm	26 cfm	0 cfm	26 cfm
GLC75A	+5.1 V 8 A	10 A	+12 V 2.5 A	3.0 A	-12 V 1.0 A	1.0 A	12 V 2.5 A	3.0 A
GLC75B	+5.1 V 8 A	10 A	+12 V 2.5 A	3.0 A	-5 V 1.0 A	1.0 A	12 V 2.5 A	3.0 A
GLC75C	+5.1 V 8 A	10 A	+12 V 2.5 A	3.0 A	-15 V 1.0 A	1.0 A	15 V 2.5 V	3.0 A
GLC75D	+5.1 V 8 A	10 A	+24 V 2.5 A	2.5 A	-12 V 1.0 A	1.0 A	12 V 2.5 A	3.0 A
GLC75E	+5.1 V 8 A	10 A	+24 V 2.5 A	2.5 A	-15 V 1.0 A	1.0 A	15 V 2.5 V	3.0 A
GLC75F	+5.1 V 8 A	10 A	+15 V 2.5 A	3.0 A	-5 V 1.0 A	1.0 A	15 V 2.5 V	3.0 A
GLC75J	+5.1 V 8 A	10 A	+12 V 2.5 A	3.0 A	-12 V 1.0 A	1.0 A	5 V 2.0 V	3.0 A
GLC75P	+5.1 V 8 A	10 A	+24 V 4.0 A	4.0 A	-12 V 1.0 A	1.0 A	12 V 2.5 A	3.0 A
SP1663	+5.1 V 6 A	--	+12 V 1.5 A	--	-12 V 1.0 A	--	--	--

Input: 100-240 V ac, 50/60 Hz, 3.0 A (GLC75 Single-Output Models)

Output: 5 thru 28 V, 20 thru 4 A

Power Ratings for 5 thru 11 V

70 W maximum, convection cooled.
100 W maximum, with a minimum of
26 CFM airflow.

Power Ratings for 12 thru 28 V

75 W maximum, convection cooled.
110 W maximum, with a minimum of
26 CFM airflow.

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 Safety of Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2 No. 950 * UL 1950, 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 UL 1950. 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 T3 employs an (OBJY2) electrical insulation system designated Class F. Inductor T2 employs bobbin material rated 150°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.

CONSTRUCTION DETAILS:

See Section General for additional details.

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

Printed Wiring Board - See Section General for details.

General appearance of trace layout same as in ILLS. 1 and 6. Board rated 130°C.

Model Differences - All models are the same, except for output ratings and differences in secondary low-voltage circuitry. Suffix -CV indicates chassis, cover, and voltage adjust options are installed. Suffix -L indicates chassis option is installed. Suffix -LC indicates chassis and cover options are installed. Suffix -V indicates voltage adjust option is installed.

Model SP1663 is the same as above, except for printed wiring board size and alternate secondary layout. Provided with an L-bracket chassis.

* Model GLC75-24-102 is identical to Model GLC75-22.



Statement of Compliance

Condor Report: 239

Master Contract: 150684 (LR 46516C)

Edition: 1

Date Issued: July 25, 2002

Issued by: **Condor D.C. Power Supplies Inc.**
2311 Statham Parkway
Oxnard, CA 93033
USA

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



Issued by: David Hemphill

Signature: David Hemphill

PRODUCTS

CLASS 5311 03 - POWER SUPPLIES - Component Type

Component power supplies for use with Information Technology Equipment, where the suitability of the combination is to be determined by CSA International.

MODEL NUMBERS: Model SP1583A, GLC75-24-102, and GLC75-X where X represents the output voltage, which may be any number from 5 thru 28. Models may be followed by suffix -L for chassis bracket. Models may or may not include a chassis bracket and have any output as described below.

Input: 100-240 V ac, 3.0 A, 50/60 Hz

Output: 5 thru 28 V, 20 thru 4 A (L3M1)

70 W maximum for output voltages from 5 thru 11 V with convection cooling

75 W maximum for output voltages from 12 thru 28 V with convection cooling

100 W maximum for output voltages from 5 thru 11 V with 26 CFM forced air cooling

110 W maximum for output voltages from 12 thru 28 V with 26 CFM forced air cooling

Notes:

1. Maximum Operating Ambient Temperature 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.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60950-00 - Safety of Information Technology Equipment, Including Electrical Business Equipment

This is to certify that the equipment indicated above has been tested, evaluated and found to comply to all relevant CSA International requirements. This equipment is eligible to bear the CSA Mark as authorized by the CSA Category Certification Program under Master Contract No. 150684 (LR 46516C).

CONDITIONS OF ACCEPTABILITY

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, CAN/CSA-C22.2 No. 60950-00, which covers the end-use product for which the component is designed.
2. The enclosure provided with this equipment does not meet the applicable requirements for Fire or Electrical enclosures. Suitable enclosure to be provided in the end-use equipment.
3. 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 equipment.
4. The main isolation transformer (T3) is provided with Class F insulation.
5. The power supply was evaluated for Reinforced insulation between primary and secondary, and Basic insulation between primary and ground, based on min 250 V ac.
6. The power supply was evaluated as Class I equipment, continuous operation, pollution degree 2.
7. Under normal and single fault conditions, the outputs do not exceed SELV limits.

CONDOR

Supplement to Statement of Compliance

Condor Report: 239

Master Contract: 150684 (LR 46516C)

Edition: 1

Issued by: Condor D.C. Power Supplies Inc.
2311 Statham Parkway
Oxnard, CA 93033
USA

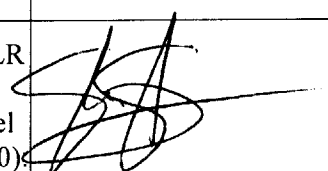


Issued by: David Hemphill

Signature: David Hemphill

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

CSA Category Certification Product History Record

Edition	Date	Description	CSA Reviews
1	July 25, 2002	Original Certification. (Re-issued Report LR 46516-259C as Condor Report No. 239 to add SP1583A, GLC75-24-102, revise model designations, and upgrade to CSA 60950-00)	
2			
3			
4			

Certificate of Compliance

Certificate: 1298171

Master Contract: 150684 (LR 46516C)

Edition: 2

Date Issued: August 19, 2002

Issued to: **Condor D.C. Power Supplies Inc.**
2311 Statham Parkway
Oxnard, CA 93033
USA

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'




Issued by: Vincent Un, B.Sc.



Authorized by: Terry Nagy
 Operations Manager

PRODUCTS

CLASS 5311 03 - POWER SUPPLIES - Component Type

CLASS 5311 83 - POWER SUPPLIES - Component Type - Certified to US Standards

Component power supplies for use with Information Technology Equipment, where the suitability of the combination is to be determined by CSA International.

Input: 100-240 V ac, 3.1 A, 50/60 Hz

Output: Maximum Continuous Power, total of all outputs at ambient of 50°C.	Standard & -L option		With Chassis/Cover (Note 5)	
	26 CFM	0 CFM	26 CFM	0 CFM
	110 Watts	75 Watts	110 Watts	65 Watts

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognised to perform certification to U.S. Standards.



Certificate: 1298171

Master Contract: 150684 (LR 46516C)

Edition: 2

Date: August 19, 2002

MODEL	Output #1			Output #2			Output #3			Output #4		
		Note 2	Note 3		Note 2	Note 3		Note 2	Note 3		Note 2	Note 3
GLC75A	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75B	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-5 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75C	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75D	+5.1 V	8 A	10 A	+24 V	2.5 A	2.5 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75E	+5.1 V	8 A	10 A	+24 V	2.5 A	2.5 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75F	+5.1 V	8 A	10 A	+15 V	2.5 A	3.0 A	-5 V	1.0 A	1.0 A	-15 V	2.5 A	3.0 A
GLC75H	+5.1 V	8 A	10 A	+15 V	2.5 A	3.0 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75J	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-12 V	1.0 A	1.0 A	5 V	2.0 A	3.0 A
GLC75P	+5.1 V	8 A	10 A	+24 V	4.0 A	4.0 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A

Model SP1663, input rated 100-240 V ac, 2.9 A, 50/60 Hz; dc outputs rated +5.1 V/6 A, +12 V/1.5 A, -12 V/1.0 A (L3M1); 50 W maximum total output power.

Notes:

1. Model may be followed by -L for chassis bracket, -C or -LC for chassis/cover, or -V for Voltage Adj. Pot (+5.1 V).
2. Maximum ratings for 0 CFM airflow without chassis/cover.
3. Maximum ratings for 26 CFM airflow.
4. Maximum Operating Relative Humidity 96%, no condensation.
5. Contact Condor Technical Support for airflow requirements when using chassis/cover option.
6. Storage: -40 to +85°C. Units should be allowed to warm-up under non-condensing conditions before application of power.

APPLICABLE REQUIREMENTS

- CAN/CSA C22.2 No. 950-95 - Safety of Information Technology Equipment, Including Electrical Business Equipment
- ANSI/UL 1950-1997 - Safety of Information Technology Equipment, Including Electrical Business Equipment



Certificate: 1298171

Master Contract: 150684 (LR 46516C)

Edition: 2

Date: August 19, 2002

CONDITIONS OF ACCEPTABILITY

1. The enclosure provided with this equipment does not meet the applicable requirements for Fire or Electrical enclosures. Suitable enclosure to be provided in the end-use equipment.
2. 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 equipment.
3. The main isolation transformer (T3) is provided with Class F insulation.
4. The temperature tests were performed in a raised ambient of 50°C.
5. The power supply was evaluated for Reinforced insulation between primary and secondary, and Basic insulation between primary and ground, based on min 250 V ac.
6. Under normal and single fault conditions, the outputs do not exceed SELV limits.



Supplement to Certificate of Compliance

Certificate: 1298171

Master Contract: 150684 (LR 46516C)

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Edition	Date	Description
1	March 13, 2002	Original Certification. (Re-issued Report LR 46516-244C as Report 1298171 and updated to add Models GLC75F, GLC75H and GLC75J).
2	August 19, 2002	Updated to add Model SP1663 and minor corrections to report. (Project 1350492)



America

CERTIFICATE

No. B 08 12 59743 037

Holder of Certificate: **SL Power Electronics, Corp.**



6050 King Drive Bldg A
Ventura CA 93003
USA

Production Facility(ies): 16784, 52962

Certification Mark:



Product: **Switching power supply unit
(AC/DC Switching Power Supplies)**

Model(s): **GLC75X Series, GLC75-X Series, SP1663 and SP1663G
(For further model information please see attachment)**

Parameters:

Input Voltage, AC:	100 - 240 V
Input Frequency:	50 / 60 Hz
Input Current:	3.0 A maximum for GLC75-X series 3.1 A maximum for GLC75X series 2.9 A maximum for SP1663 & SP1663G
Protection Class:	I
Rated DC Outputs:	model dependent see attachment

For further information please see attachment.

Tested according to: EN 60950-1/A11:2004
EN 60065/A1:2006

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. The certification mark must not be altered in any way. See also notes overleaf.

Test report no.: 095-602114-001

Date, 2008-12-22

William A. Wenthel

Page 1 of 3



319822



America

**ATTACHMENT TO CERTIFICATE NO. B 08 12 59743 037
 FOR SL POWER ELECTRONICS, CORP.**

AC/DC SWITCHING POWER SUPPLIES

GENERAL PRODUCT INFORMATION:

The GLC75 Series includes Single Output and Multi Output models. The AC / DC Switching Power Supplies covered by this report are components for building-in.

CONDITIONS OF ACCEPTABILITY:

When installed in the end use equipment, all the requirements of the referenced standards must be met. 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 with correct spacings.
- 2) A reliable ground (Protective Earth) connection.
- 3) Maximum operating temperature: 50 °C
- 4) One of the following fuse-links shall be connected before Pin 5 of J1 of this power supply at the end installation
 - P/N: S505-5-R manufactured by Bussman
 - P/N: 215.005P manufactured by Littelfuse
 - P/N: 0001.2511 manufactured by Schurter.

SINGLE OUTPUT MODELS

GLC75-X Series, models are single output power supplies. Where X represents the output voltage, which may be any number from 5 thru 28. May optionally be followed by suffix -L, -XXX, and/or G, where:

- L indicates optional chassis is provided;
- XXX indicates value added configurations that have no impact on safety which may be any number from 001 thru 999 (e.g. Burn-in processes, Metric Vs SA hardware, Customer Notifications, Custom Harness on Outputs, Customer Number); and/or;
- G indicates RoHS version.

OUTPUT: 5 thru 28 V, 20 thru 4 A.

Ratings for output voltages 5 thru 11	Ratings for output voltages 12 thru 28
70 W maximum, convection cooled.	75 W maximum, convection cooled.
100 W maximum, with a minimum of 26 CFM airflow.	110 W maximum, with a minimum of 26 CFM airflow.

Notes:

1. Maximum operating ambient temperature 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.

Report Number: 095-602114-001

Date: 2008-12-22



**ATTACHMENT TO CERTIFICATE NO. B 08 12 59743 037
FOR SL POWER ELECTRONICS, CORP.**

MULTIPLE OUTPUT MODELS

GLC75X Series models are multiple output power supplies,

Where X may be the letters A, B, C, D, E, F, H, J or P. The GLC75X Series may be optionally followed by

-CV, -L, -LC, -V, -XXX and/or G, where:

- CV indicates optional voltage adjust for output #1 and bracket/cover;
- L indicates optional L bracket;
- LC indicates bracket/cover;
- V indicates output adjust for output #1;
- XXX indicates value added configurations that have no impact on safety which may be any number from 001 thru 999 (e.g. Burn-in processes, Metric Vs SA hardware, Customer Notifications, Custom Harness on Outputs, Customer Number);
- G indicates RoHS version.

OUTPUT:

Maximum Continuous Power, total of all outputs at ambient of 50 °C. Refer to table for standard output voltage models

Standard		With Chassis/Cover (Note 4)	
26 CFM 110 Watts	0 CFM 75 Watts	26 CFM 110 Watts	0 CFM 65 Watts

MODEL	Output #1			Output #2			Output #3			Output #4		
	Note 1	Note 2		Note 1	Note 2		Note 1	Note 2		Note 1	Note 2	
GLC75A	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75B	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-5 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75C	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75D	+5.1 V	8 A	10 A	+24 V	2.5 A	2.5 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A
GLC75E	+5.1 V	8 A	10 A	+24 V	2.5 A	2.5 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75F	+5.1 V	8 A	10 A	+15 V	2.5 A	3.0 A	-5 V	1.0 A	1.0 A	-15 V	2.5 A	3.0 A
GLC75H	+5.1 V	8 A	10 A	+15 V	2.5 A	3.0 A	-15 V	1.0 A	1.0 A	+15 V	2.5 A	3.0 A
GLC75J	+5.1 V	8 A	10 A	+12 V	2.5 A	3.0 A	-12 V	1.0 A	1.0 A	5 V	2.0 A	3.0 A
GLC75P	+5.1 V	8 A	10 A	+24 V	4.0 A	4.0 A	-12 V	1.0 A	1.0 A	+12 V	2.5 A	3.0 A

- Notes:
1. Maximum ratings for 0 CFM airflow without chassis/cover.
 2. Maximum ratings for 26 CFM airflow.
 3. Maximum Operating Relative Humidity 96 %, no condensation.
 4. Contact Condor Technical Support for airflow requirements when using chassis/cover option.

SP1663 and SP1663G models are multi output models as well. They are custom (Special Purpose) variations of the GLC75X Series units.

OUTPUTS:

50 W Maximum Continuous Power, total of all outputs at ambient of 50 °C.

Output #1	Output #2	Output #3
+5.1V / 6A	+12V / 1.5A	-12V / 1.0A

- Notes:
1. Maximum Operating Relative Humidity 96 %, no condensation.
 2. Contact Condor Technical Support for airflow requirements when using chassis/cover option.

Report Number: 095-602114-001

William A. Wentz
Page 3 of 3

Date: 2008-12-22