

CERTIFICATE OF COMPLIANCE

Certificate Number 20141002-E146893
Report Reference E146893-20140925
Issue Date 2014-OCTOBER-02

Issued to: XP POWER L L C
SUITE 150
1241 E DYER RD
SANTA ANA CA 92705

**This is to certify that
representative samples of**

COMPONENT - POWER SUPPLIES, MEDICAL AND
DENTAL



See next page for model

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/AAMI ES 60601-1 and CSA C22.2 No. 60601-1
(Medical electrical equipment - Part 1: General
requirements for basic safety and essential performance)

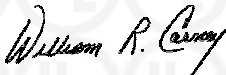
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

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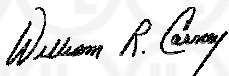


CERTIFICATE OF COMPLIANCE

Certificate Number 20141002-E146893
Report Reference E146893-20140925
Issue Date 2014-OCTOBER-02

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Component Switching Power Supply, model GCS265PSxxyy (where xx can be any number between 12 and 56 and yy is "-C", "-TF", "-EF" or blank; all "-" considered optional; may also be provided with additional suffix "SF", "S", "R" or "L")



William R. Carney, Director, North American Certification Programs

UL LLC

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UL TEST REPORT AND PROCEDURE

Standard:	ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10)(Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) CAN/CSA-C22.2 No. 60601-1 (2008) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance)
Certification Type:	Component Recognition
CCN:	QQHM2, QQHM8 (Power Supplies, Medical and Dental)
Product:	Component Switching Power Supply
Model:	GCS265PSxxyy (where xx can be any number between 12 and 56 and yy is "-C", "-TF", "-EF" or blank; all "-" considered optional; may also be provided with additional suffix "SF", "S", "R" or "L")
Rating:	Input: 100-240 Vac, 50/60 Hz, 3A Output: See Model Differences for details
Applicant Name and Address:	XP POWER LLC SUITE 150 1241 E DYER RD SANTA ANA CA 92705 UNITED STATES

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: Bernadette Matsuoka

Reviewed by: Melissa DeGuia

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The model covered in this report is a component power supply intended for use in Medical Electrical Equipment. It is an open frame power supply intended for building-in Class I.

Model Differences

All models in the Model GCS265PSXX series are identical with exception to the Mains Transformer, T1, and secondary components/circuitry that allow for different output voltage ratings.

See ILL. 19 (Enclosure – Miscellaneous (7-01)) for max Power Outputs based on model, ambient, and forced air cooling.

See below for Model Output Ratings:

Model GCS265PS12:

V1: 10.1 Vdc - 13.5 Vdc, 20.8 A Max. (250 W Max);

V2: 5 Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS15:

V1: 13.6 Vdc - 17 Vdc, 16.7 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS18:

V1: 17.1 Vdc - 21 Vdc, 13.9 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS24:

V1: 21.1 Vdc - 26 Vdc, 10.4 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Revised: 2014-11-21

Model GCS265PS28:

V1: 26.1 Vdc - 31 Vdc, 8.9 A Max. (250 W Max);
V2: 5Vdc, 3A Max (15 W Max);
(Total Power: 265 W Max)

Model GCS265PS33:

V1: 31.1 Vdc - 33 Vdc, 7.6 A Max. (250 W Max);
V2: 5Vdc, 3A Max (15 W Max);
(Total Power: 265 W Max)

Model GCS265PS36:

V1: 33.1 Vdc - 42 Vdc, 6.9 A Max. (250 W Max);
V2: 5Vdc, 3A Max (15 W Max);
(Total Power: 265 W Max)

Model GCS265PS48:

V1: 42.1 Vdc - 54 Vdc, 5.2 A Max. (250 W Max);
V2: 5Vdc, 3A Max (15 W Max);
(Total Power: 265 W Max)

Model GCS265PS56:

V1: 54.1 Vdc - 63.2 Vdc, 4.5 A Max. (250 W Max);
V2: 5Vdc, 3A Max (15 W Max);
(Total Power: 265 W Max)

Units provided with suffix "C" is provided with cover.

Units provided with suffix "TF" is provided with top fan.

Units provided with suffix "EF" is provided with end fan.

Units provided without suffix "C", "TF" or "EF" is open frame (without cover).

Units provided with additional suffix "SF" to indicate single pole fusing.

Units provided with additional suffix "S" to indicate screw terminal block.

Units provided with suffix "R" is remote inhibit.

Units provided with additional suffix "L" to indicate fly leads.

Technical Considerations

- Classification of installation and use : For building-in
- Device type (component/sub-assembly/ equipment/ system) : Component
- Intended use (Including type of patient, application location) : Component power supply for use in medical products
- Mode of operation : Continuous
- Supply connection : Component only for building-in

Revised: 2014-11-21

- Accessories and detachable parts included : None
- Other options include : None
- The product was investigated to the following additional standards:: ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10+A1(R2012)) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) (includes Deviations for United States), CAN/CSA-C22.2 No. 60601-1 (2008)+A1 (2014) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) (includes National Differences for Canada), IEC 60601-1: Edition 3.1, 2012-08, EN 60601-1: 2006 + CORR: 2010+A1 (2013) (Medical electrical equipment Part 1: General requirements for basic safety and essential performance)
- The product was not investigated to the following standards or clauses:: Electromagnetic Compatibility (IEC 60601-1-2), Biocompatibility (ISO 10993-1)
- The product is Classified only to the following hazards: Casualty, Fire, Shock.
- The degree of protection against harmful ingress of water is:: Ordinary.
- Software is relied upon for meeting safety requirements related to mechanical, fire and shock: No
- The product is suitable for use in the presence of a flammable anesthetics mixture with air or oxygen or with nitrous oxide:: No
- This power supply has been evaluated as a 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. The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).

Engineering Conditions of Acceptability

For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC. When installed in an end-product, consideration must be given to the following:

- The product was submitted and evaluated for use at the maximum ambient temperature (T_{ma}) permitted by the manufacturer's specification of: 50°C at 100% of Output Rating, 70°C at 50% of Output Rating. See ILL. 19 (Miscellaneous enclosure 7-01) Power Output Table for additional information regarding power output and the various configurations.
- The maximum continuous power supply output (Watts) relied on forced air cooling from: 7 cfm fan applied 1 inch from input side, blowing inward.
- The component shall be considered for compliance with the Marking (clause 7) and Separation (clause 8) requirements as part of the end use application evaluation.
- Scope of Power Supply evaluation defers the following clauses to be determined as part of the end product: Clause 7.5 (Safety Signs), Clause 7.9 (Accompanying Documents), Clause 9 (ME Hazard), Clause 10 (Radiation), Clause 14 (PEMS), Clause 16 (ME Systems)
- Repeat of leakage current testing and consideration of non-frequency weighted leakage current (clause 8.7.3e) to be considered as part of the end product.
- The end product shall ensure that the requirements related to accompanying documents, clause 7.9, are met.
- The input/output connectors are not acceptable for field connections; they are only intended for connection to mating connectors of the end-use equipment.
- Power supply provides the following MOPP (means of patient protection): 2 MOPP based upon a working voltage 336 Vpk, 240 Vrms between Primary to Secondary, one MOPP based upon a working voltage 352Vpk, 244 Vrms between Primary and Earth/Enclosure, and 1 MOPP based upon a working voltage 250Vac between secondary to earth trace on PWB.
- The Dielectric Strength Test conducted on this power supply was based upon a maximum working voltage of 352Vpk, 244 Vrms from Primary-Earthed Dead Metal, 336 Vpk, 240 Vrms from Primary-Secondary.
- Cleaning test shall be considered as part of end product evaluation.
- The need for Marking Durability and Marking Legibility Testing shall be considered as part of the end product installation.
- Fire/ Mechanical/ Electrical Enclosure to be provided as part of the end product.
- Temperature, Leakage Current, Protective Earthing, Dielectric Voltage Withstand, and Interruption of the Power Supply tests should be considered as part of the end product evaluation.
- The products were tested on a 20 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C): L1, L4, T1 and 5V

Revised: 2014-11-21

Standby-Transformer (T1) are Class F, 155°C.

- The PWB is rated 130°C.
- For Class I applications: Unit to be properly bonded to end product main protective earth.
- Unit has been subjected to 5 day humidity condition test at 93%, 40°C.
- Fans: For models with the suffix "EF", the fan provided in this sub-assembly is not intended for operator access., For models with the suffix "TF", the fan provided in this sub-assembly is provided with a fan guard to reduce the risk of operator contact with the stator.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- Clearance spacing evaluated for 5000 m altitude. Additional consideration maybe necessary in the end-use product.
- Heating test was not conducted on unit with input/output leads. If unit is provided with input and/or output leads, then temperature on leads must be measured and cannot exceed 105°C.
- The following components require special consideration during end-product Thermal (Heating) tests due to the indicated maximum temperature measurements during component-level testing: Model GC265PS12: PCB@Q1 coil (130°C); C22 (Stand-by board) (105°C); C27 (105°C).
- An investigation of the protective bonding terminals has: Not been conducted.
- Overcurrent releases of adequate breaking capacity must be employed in the end product.

Additional Information

The clearance distances have additionally been assessed for suitability up to 5000 m elevation (1.29 correction factor as per Table 8).

Marking label is representative of all models.

Additional Standards

The product fulfills the requirements of: IEC 60601-1:2012 (AM1)

Markings and instructions

Clause Title	Marking or Instruction Details
Company identification	Classified or Recognized company's name, Trade name, Trademark or File
Model	Model number
Serial number or lot or batch identifier	Eight alpha numeric characters (A BB CC DDD where A = factory code; BB = year; CC=week; DDD = serial number)
Date of manufacture or use by date	Provided as part of the serial number

CERTIFICATE OF COMPLIANCE

Certificate Number 20140814-E139109
Report Reference E139109-A139-UL
Issue Date 2014-AUGUST-14

Issued to: XP POWER L L C
SUITE 150
1241 E DYER RD
SANTA ANA CA 92705

**This is to certify that
representative samples of**



COMPONENT - POWER SUPPLIES, INFORMATION
TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL
BUSINESS EQUIPMENT
Please see next page for models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1, and CSA C22.2 No. 60950-1-07, (Information
Technology Equipment - Safety - Part 1: General Requirements)

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

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William R. Carney, Director, North American Certification Programs

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number 20140814-E139109
Report Reference E139109-A139-UL
Issue Date 2014-AUGUST-14

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Power supply for building-in, switch mode type - GCS265PSxxyy (where xx can be any number between 12 and 56 and yy is "-C", "-TF", "-EF" or blank; all "-" considered optional; may also be provided with additional suffix "SF", "S", "R" or "L")



William R. Carney, Director, North American Certification Programs

UL LLC

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UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2011-12-19 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Component Recognition
CCN:	QQGQ2, QQGQ8 (Power Supplies for Information Technology Equipment Including Electrical Business Equipment)
Product:	Power supply for building-in, switch mode type
Model:	GCS265PSxxyy (where xx can be any number between 12 and 56 and yy is "-C", "-TF", "-EF" or blank; all "-" considered optional; may also be provided with additional suffix "SF", "S", "R" or "L")
Rating:	Input: 100-240 Vac, 50/60 Hz, 3A Output: See Model Differences for details
Applicant Name and Address:	XP POWER L L C SUITE 150 1241 E DYER RD SANTA ANA CA 92705 UNITED STATES

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ("UL") in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: Nathan Escalante

Reviewed by: David E. Drewes

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The model covered in this report is a component power supply intended for use in Information Technology Equipment. It is an open frame power supply intended for building-in Class I or Class II end-products. Double insulated symbol is optionally provided. Earthing symbol may only be provided for Class I power supplies.

Model Differences

All models in the Model GCS265PSXX series are identical with exception to the Mains Transformer, T1, and secondary components/circuitry that allow for different output voltage ratings.

See below for Model Output Ratings:

Model GCS265PS12:

V1: 10.1 Vdc - 13.5 Vdc, 20.8 A Max. (250 W Max);

V2: 5 Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS15:

V1: 13.6 Vdc - 17 Vdc, 16.66 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS18:

V1: 17.1 Vdc - 21 Vdc, 14.7 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS24:

V1: 21.1 Vdc - 26 Vdc, 10.4 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS28:

V1: 26.1 Vdc - 31 Vdc, 8.9 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS33:

V1: 31.1 Vdc - 33 Vdc, 7.5 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS36:

V1: 33.1 Vdc - 42 Vdc, 6.94 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS48:

V1: 42.1 Vdc - 54 Vdc, 5.2 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

Model GCS265PS56:

V1: 54.1 Vdc - 63.2 Vdc, 4.5 A Max. (250 W Max);

V2: 5Vdc, 3A Max (15 W Max);

(Total Power: 265 W Max)

V2: 5Vdc Standby

Units provided with suffix "C" is provided with cover.

Units provided with suffix "TF" is provided with top fan.

Units provided with suffix "EF" is provided with end fan.

Units provided without suffix "C", "TF" or "EF" is open frame (without cover).

Units provided with additional suffix "SF" to indicate single pole fusing.

Units provided with additional suffix "S" to indicate screw terminal block.

Units provided with suffix "R" is remote inhibit.

Units provided with additional suffix "L" to indicate fly leads.

See Enclosure - Miscellaneous for max Power Outputs based on model, ambient, and forced air cooling.

Technical Considerations

- Equipment mobility : for building-in
- Connection to the mains : To be determined in end-use product
- Operating condition : continuous
- Access location : To be determined in end-use product
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10%
- Tested for IT power systems : Yes
- IT testing, phase-phase voltage (V) : 230
- Class of equipment : Class I or Class II (Determined by end product)
- Considered current rating of protective device as part of the building installation (A) : 20
- Pollution degree (PD) : PD 2
- IP protection class : IPX0

- Altitude of operation (m) : 5000
- Altitude of test laboratory (m) : less than 2000 meters
- Mass of equipment (kg) : 0.6 kg
- The product was submitted and evaluated for use at the maximum ambient temperature (T_{ma}) permitted by the manufacturer's specification of: 50°C at 100% of Output Rating, 70°C at 50% of Output Rating. See Miscellaneous enclosure Power Output Table for additional information regarding power output and the various configurations.
- The means of connection to the mains supply is: for building-in, to be determined in the end product.
- The product is intended for use on the following power systems: TN, IT
- The product was investigated to the following additional standards: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 (which includes all European national differences, including those specified in this test report).
- The following accessible locations (with circuit/schematic designation) are within a limited current circuit: Load side of C21 (Pri to Sec bridging capacitor),
- Power supplies covered by this report were evaluated for both Class I and Class II (double insulated). Double insulated symbol is optionally provided. See Conditions of Acceptability for insulation required for Class II. Earthing symbol may only be provided for Class I power supplies.

Engineering Conditions of Acceptability

For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC. When installed in an end-product, consideration must be given to the following:

- The following Production-Line tests are conducted for this product: Electric Strength
- The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-Earthed Dead Metal: 240 Vrms, 352 Vpk, Primary-SELV: 256 Vrms, 450 Vpk,
- The following secondary output circuits are SELV: All outputs
- The following secondary output circuits are at hazardous energy levels: All outputs
- The power supply terminals and/or connectors are: Suitable for factory wiring only
- The maximum investigated branch circuit rating is: 20 A
- The investigated Pollution Degree is: 2
- Proper bonding to the end-product main protective earthing termination is: required when the power supply is used in a Class I end product. The power supply will be considered Class II only when protection against electric shock does not rely on Basic Insulation.
- An investigation of the protective bonding terminals has: Not been conducted
- The following input terminals/connectors must be connected to the end-product supply neutral: J1
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJ2 insulation system with the indicated rating greater than Class A (105°C): L1, L4 and T1 (Class F, 155°C) , 5V Standby - Transformer (T1) (Class F, 155°C) ,
- The following end-product enclosures are required: Mechanical, Fire, Electrical
- The following components require special consideration during end-product Thermal (Heating) tests due to the indicated maximum temperature measurements during component-level testing: Model GC265PS12: PCB@Q1 coil (130°C); C22 (Stand-by board) (105°C); C27 (105°C),
- The maximum continuous power supply output (Watts) relied on forced air cooling from: 7 cfm fan applied 1 inch from input side, blowing inward.,

- The equipment is suitable for direct connection to: AC mains supply. Means of connection will need to be evaluated in the end product.,
- Fans: For models with the suffix "EF", the fan provided in this sub-assembly is not intended for operator access., For models with the suffix "TF", the fan provided in this sub-assembly is provided with a fan guard to reduce the risk of operator contact with the stator.
- Printed Wiring Board rated 130°C.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- Touch Current test to be conducted in the end-product evaluation.
- Clearance spacing evaluated for 5000 m altitude. Additional consideration maybe necessary in the end-use product.
- End product to determine the need for "Double Pole Fuse" Marking for units provided with double , pole fusing.
- The equipment may be provided with a fuse in both the Line and Neutral of the primary circuit.
- Heating test should be repeated in the end-use product
- Heating test was not conducted on unit with input/output leads. If unit is provided with input and/or output leads, then temperature on leads must be measured and cannot exceed 105°C.

Additional Information

The clearance distances have additionally been assessed for suitability up to 5000 m elevation (1.48 correction factor as per IEC 60664-1, Table A2).

The need for the additional testing and evaluation shall be determined in the end product investigation.

The power supply series covered by this report employ Double/Reinforced Insulation between Primary and Secondary circuits.

Licenses older than 3 years to be provided by the manufacturer upon request.

Marking label is representative of all models.

Additional Standards

The product fulfills the requirements of: CSA C22.2 No. 60950-1-07 + A1:2011, EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011, UL 60950-1 2nd Ed. Revised 2011-12-19, IEC 60950-1:2005 + A1:2009

Markings and instructions

Clause Title	Marking or Instruction Details
Power rating - Ratings	Ratings (voltage, frequency/dc, current)
Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
Power rating - Model	Model Number