COVER PAGE FOR TEST REPORT

Test Item Description:	Switching Power Supply, Building-In, AC/DC
Model/Type Reference:	GT-9200P Series and GTM9200P Series Note: The models listed above are standard models, upon which custom versions are based. All units are based on the same nomenclature; see the Model Differences section for details.
Rating(s):	Input - Voltage: 100-240 Vac Frequency: 50-60 Hz Rated Current for 350 W units: 5.0 A (except for Models GT-9200P2313.3 and GTM9200P2313.3 which are rated at 4.0 A) Rated Current for 200 W units: 3.2 A (except for Models GT-9200P1323.3 and GTM9200P1323.3 which are rated 2.5 A) Output - See Test Report for output ratings.
Standards:	IEC 60950-1:2001, First Edition
Applicant Name and Address:	GLOBTEK INC 186 VETERANS DR NORTHVALE NJ 07647 UNITED STATES
Factory Location(s):	GLOBTEK (SUZHOU) CO LTD BLDG 4, #76 JINLING EAST RD SUZHOU PARK SUZHOU, JIANGSU 215021 CHINA

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This Report includes the following parts, in addition to this cover page:

1. Specific Technical Criteria
2. Clause Verdicts
3. Critical Components
4. Test Results
5. Enclosures
    a. National Differences
    b. Marking Plate
    c. Photographs
    d. Diagrams
    e. Schematics + PWB
    f. Miscellaneous
    g. Licenses

All applicable tests according to the above standard(s) have been carried out.
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Test Report issued under the responsibility of:

Underwriters Laboratories Inc.

TEST REPORT
IEC 60950-1,First Edition
Information technology equipment-Safety
Part 1:General Requirements

Report Reference No ..... :	E170507-A10-CB-2
Date of issue ..... :	2009-06-25
Total number of pages ..... :	52
CB Testing Laboratory ..... :	Underwriters Laboratories Inc.
Address ..... :	1285 Walt Whitman Road, Melville, NY, 11747, USA
Applicant's name ..... :	GLOBTEK INC
Address ..... :	186 VETERANS DR NORTHVALE NJ 07647 UNITED STATES
Test specification:	
Standard ..... :	IEC 60950-1:2001, First Edition
Test procedure ..... :	CB Scheme
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC60950_1B
Test Report Form originator ..... :	SGS Fimko Ltd
Master TRF ..... :	dated 2003-03

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Test item description ..... :	Switching Power Supply, Building-In, AC/DC
Trade Mark ..... :	
Model/Type reference ..... :	GT-9200P Series and GTM9200P Series Note: The models listed above are standard models, upon which custom versions are based. All units are based on the same nomenclature; see the Model Differences section for details.
Manufacturer ..... :	GLOBTEK INC 186 VETERANS DR NORTHVALE NJ 07647 UNITED STATES
Rating ..... :	Input - Voltage: 100-240 Vac Frequency: 50-60 Hz Rated Current for 350 W units: 5.0 A (except for Models GT-9200P2313.3 and GTM9200P2313.3 which are rated at 4.0 A) Rated Current for 200 W units: 3.2 A (except for Models GT-9200P1323.3 and GTM9200P1323.3 which are rated 2.5 A) Output - See Test Report for output ratings.

Testing procedure and testing location:		
[x]	**CB Testing Laboratory**	
	Testing location / address..... :	Underwriters Laboratories Inc. 1285 Walt Whitman Road, Melville, NY, 11747, USA
[ ]	**Associated CB Test Laboratory**	
	Testing location / address..... :	
	Tested by (name + signature) ..... :	AnnaMarie Vessey
	Approved by (+ signature) ..... :	David Keen
[ ]	**Testing Procedure: TMP**	
	Tested by (name + signature) ..... :	
	Approved by (+ signature) ..... :	
	Testing location / address..... :	
[ ]	**Testing Procedure: WMT**	
	Tested by (name + signature) ..... :	
	Witnessed by (+ signature)..... :	
	Approved by (+ signature) ..... :	
	Testing location / address..... :	
[ ]	**Testing Procedure: SMT**	
	Tested by (name + signature) ..... :	
	Approved by (+ signature) ..... :	
	Supervised by (+ signature) ..... :	
	Testing location / address..... :	
[ ]	**Testing Procedure: RMT**	
	Tested by (name + signature) ..... :	
	Approved by (+ signature) ..... :	
	Supervised by (+ signature) ..... :	
	Testing location / address..... :	

Summary of Testing: No tests were conducted
Summary of Compliance with National Differences: AR, AT, AU, BE, CA, CH, CN, CZ, DE, DK, ES, EU, FI, FR, GB, GR, HU, IE, IL, IN, IT, JP, KE, KR, MY, NL, NO, NZ, PL, PT, SE, SG, SI, SK, US

Copy of Marking Plate - Refer to Enclosure titled Marking Plate for copy.

Test item particulars :	
Equipment mobility .....:	for building-in
Operating condition .....:	continuous
Mains supply tolerance (%) .....:	+10%, -10%
Tested for IT power systems .....:	No
IT testing, phase-phase voltage (V) .....:	N/A
Class of equipment .....:	Class I (earthed)
Mass of equipment (kg) .....:	200 W Models: 1.2kg; 350 W Models: 1.3 kg
Protection against ingress of water .....:	IP X0
Possible test case verdicts:	
- test case does not apply to the test object .....:	N / A
- test object does meet the requirement .....:	P(Pass)
- test object does not meet the requirement .....:	F(Fail)
Testing:	
Date(s) of receipt of test item .....:	2005-07-02
Date(s) of Performance of tests .....:	2005-08-25

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(see Enclosure #)" refers to additional information appended to the report.
"(see appended table)" refers to a table appended to the report.

Throughout this report a point is used as the decimal separator.

Refer to the Cover Page For Test Report for a list of all Factory Locations.

GENERAL PRODUCT INFORMATION:

Report Summary

All applicable tests according to the referenced standard(s) have been carried out.

Product Description

The products covered by this report are switching power supplies for building in, intended for use in Information Technology Equipment.

Model Differences

Differences within the GT-9200 and GTM9200 families are limited to minor component changes to determine specific output voltage and current parameters.

The 9200 Series is the family model designation which is represented by the following generic nomenclature:

GT-9200PXXYY-Z.Z-D or GTM9200PXXYY-Z.Z-D where:

GT or GTM - designates GlobTek models with UL 60950-1, 1st Edition safety approval;

P designates the use of active power factor correction circuitry;
XX designates the rated output power as seen in the standard model list;
YY designates the rated output voltage as seen in the standard model list;
Z.Z designates the optional voltage deviation, subtracted from standard output voltage in 0.1 volt increments;
D designates the type of construction, where D may be:
R - representing IEC input receptacle and output metal connector on board
S - representing input header and output metal connector on board
HIOXX - represents input and output wire harness. XXX may be between 000 and 999 (max. length for input is 100 mm and 200 mm for output)
HORXX - represents IEC input receptacle and output wire harness. XXX may be between 000 and 999 (max. length is 200 mm for output)
HOXXX - representing input header on board and output wire harness. XXX may be between 000 and 999 (max. length is 200 mm for output)
HIXXX - representing input wire harness and output metal terminal on board. XXX may be between 000 and 999 (max. length for input is 100 mm)

Standard Models:

	Vdc	A
GT-9200P1323.3-X.X-S or -R or HIOXXX or -HORXXX or -HOXXX or -HIXXX	3.3	40.00
GT-9200P2005-X.X-S or -R, HIOXXX or -HORXXX or -HOXXX or -HIXXX	5.0	40.00
GT-9200P2007.5-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	7.5	26.67
GT-9200P2009-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	9.0	22.22
GT-9200P20012-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	12.0	16.67
GT-9200P20015-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	15.0	13.33
GT-9200P20018-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	18.0	11.11
GT-9200P20024-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	24.0	8.33
GT-9200P20036-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	36.0	5.55
GT-9200P20048-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	48.0	4.17
GT-9200P1853.3-X.X-HIOXXX or -HORXXX or -HOXXX	3.3	56.00
GT-9200P2313.3-X.X-S or -R or -HIXXX	3.3	70.00
GT-9200P2805-X.X-HIOXXX or -HORXXX or -HOXXX	5.0	56.00
GT-9200P3505-X.X-S or -R or -HIXXX	5.0	70.00
GT-9200P3507.5-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	7.5	46.67
GT-9200P3509-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	9.0	38.89
GT-9200P35012-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	12.0	29.17
GT-9200P35015-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	15.0	23.33
GT-9200P35018-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	18.0	19.44
GT-9200P35024-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	24.0	14.58
GT-9200P35036-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	36.0	9.72
GT-9200P35048-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	48.0	7.29
GTM9200P1323.3-X.X-HIOXXX or -HORXXX or -HOXXX	3.3	40.00
GTM9200P2005-X.X-HIOXXX or -HORXXX or -HOXXX	5.0	40.00
GTM9200P2007.5-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX	7.5	26.67
GTM9200P2009-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	9.0	22.22
GTM9200P20012-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	12.0	16.67
GTM9200P20015-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	15.0	13.33
GTM9200P20018-X.X -S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	18.0	11.11

GTM9200P20024-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	24.0	8.33
GTM9200P20036-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	36.0	5.55
GTM9200P20048-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	48.0	4.17
GTM9200P2313.3-X.X--S or -R or -HIXXX	3.3	70.00
GTM9200P3505-X.X-S or -R or -HIXXX	5.0	70.00
GTM9200P3507.5-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	7.5	46.67
GTM9200P3509-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	9.0	38.89
GTM9200P35012-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	12.0	29.17
GTM9200P35015-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	15.0	23.33
GTM9200P35018-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	18.0	19.44
GTM9200P35024-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	24.0	14.58
GTM9200P35036-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	36.0	9.72
GTM9200P35048-X.X-S or -R or -HIOXXX or -HORXXX or -HOXXX or -HIXXX	48.0	7.29

Note - This nomenclature only covers models employing output ratings equivalent to or less than those listed in Standard Models table.

Additional Information

This report does not include the investigation or the test report for the triple insulated wire employed in the transformer. A test report for the triple insulated wire may be required when submitting this CB Test Report to a National Certification Body (NCB) for obtaining certification at national level.

Any changes made to the "GTM" series need to be considered in the E172861-A15-CB-1 report, which is the medical evaluation on the "GTM" models.

This report is a reissue of CBTR Ref. No.E170507-A10- CB-1, CB Test Certificate Ref. No.US/9777/UL. Based on previously conducted testing and the previous review of product construction it was determined that the product continues to comply with the standard. No tests conducted under this investigation due to re-issue. All required tests carried out under original investigation.

Technical Considerations

The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 60°C for the 200 W Model GT-9200P/GTM9200 Series and 70°C for 350 W Model GT-9200 Series.

The product is intended for use on the following power systems: TN

The product was investigated to the following additional standards: EN 60950-1:2001 + A11:2004 (which includes all European national differences, including those specified in this test report).

Additional single fault testing with alternate fuses listed in the Critical Component table were not considered necessary due to the examination of the fuse curves.

Engineering Conditions of Acceptability

When installed in an end-product, consideration must be given to the following:

The following Production-Line tests are conducted for this product: Earthing Continuity, Electric Strength

The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-SELV: 298 Vrms, 728 Vpk, Primary-Earthed Dead Metal: 240 Vrms, 340 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: Not investigated for field wiring

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

An investigation of the protective bonding terminals has: Been conducted

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): Transformer, T1 - Class B (130°C).

The following end-product enclosures are required: Electrical, Fire, Mechanical

Consideration shall be given to performing the following tests in the end product evaluation: Capacitance Discharge, Touch Current, Heating, Electric Strength, and Earthing.

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

1	**GENERAL**		Pass
1.5	Components		Pass
1.5.1	General		Pass
	Comply with IEC 60950 or relevant component standard		Pass
1.5.2	Evaluation and testing of components		Pass
1.5.3	Thermal controls		N/A
1.5.4	Transformers		Pass
1.5.5	Interconnecting cables		N/A
1.5.6	Capacitors in primary circuits ..... :	Line-to-line capacitors are subclass X1 or X2. Primary-to-earth capacitors are subclass Y1 or Y2.	Pass
1.5.7	Double insulation or reinforced insulation bridged by components		Pass
1.5.7.1	General		N/A
1.5.7.2	Bridging capacitors	One Y1 capacitor employed (double/reinforced insulation)	Pass
1.5.7.3	Bridging resistors		N/A
1.5.7.4	Accessible parts	Unit is intended for building-in; to be determined in the end product.	N/A
1.5.8	Components in equipment for IT power systems		N/A

1.6	**Power interface**		Pass
1.6.1	AC power distribution systems	Unit investigated for use on TN(-S) system.	Pass
1.6.2	Input current	(See appended table 1.6.2.)	Pass
1.6.3	Voltage limit of hand-held equipment		N/A
1.6.4	Neutral conductor		Pass

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
1.7	**Marking and instructions**		Pass
1.7.1	Power rating		N/A
	Rated voltage(s) or voltage range(s) (V) ..... :	100-240 vac	Pass
	Symbol for nature of supply, for d.c. only ..... :		N/A
	Rated frequency or rated frequency range (Hz).... :	50-60 Hz	Pass
	Rated current (mA or A) ..... :	Rated Current for 350 W units: 5.0 A (except for Models GT-9200P2313.3 and GTM9200P2313.3 which are rated at 4.0 A) Rated Current for 200 W units: 3.2 A (except for Models GT-9200P1323.3 and GTM9200P1323.3 which are rated 2.5 A)	Pass
	Manufacturer's name or trademark or identification mark..... :	GlobTek, Inc.	Pass
	Type/model or type reference ..... :	GT-9200P and GTM9200P Series	Pass
	Symbol for Class II equipment only..... :		N/A
	Other symbols ..... :		N/A
	Certification marks..... :		N/A
1.7.2	Safety instructions	Accompanying documents not provided. Acceptability to be determined in the end product.	N/A
1.7.3	Short duty cycles		N/A
1.7.4	Supply voltage adjustment ..... :		N/A
1.7.5	Power outlets on the equipment..... :		N/A
1.7.6	Fuse identification..... :	Fuse(s) provided with voltage, current, and special fusing characteristic marking as applicable. See Schematics and PWB Enclosure for details.	Pass
1.7.7	Wiring terminals		N/A
1.7.7.1	Protective earthing and bonding terminals..... :		N/A
1.7.7.2	Terminal for a.c. mains supply conductors		N/A

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
1.7.7.3	Terminals for d.c. mains supply conductors		N/A
1.7.8	Controls and indicators		N/A
1.7.8.1	Identification, location and marking ..... :		N/A
1.7.8.2	Colours ..... :		N/A
1.7.8.3	Symbols according to IEC 60417 ..... :		N/A
1.7.8.4	Markings using figures..... :		N/A
1.7.9	Isolation of multiple power sources ..... :		N/A
1.7.10	IT power distribution systems		N/A
1.7.11	Thermostats and other regulating devices		N/A
1.7.12	Language..... :	May be provided in other languages upon request from the manufacturer. See Miscellaneous Enclosure for details.	-
1.7.13	Durability		Pass
1.7.14	Removable parts		N/A
1.7.15	Replaceable batteries		N/A
	Language..... :		-
1.7.16	Operator access with a tool ..... :		N/A
1.7.17	Equipment for restricted access locations..... :		N/A

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

2	**PROTECTION FROM HAZARDS**		Pass
2.1	Protection from electric shock and energy hazards		Pass
2.1.1	Protection in operator access areas	Unit is intended for building-in; to be determined in the end product.	Pass
2.1.1.1	Access to energized parts		N/A
	Test by inspection.....:		N/A
	Test with test finger.....:		N/A
	Test with test pin.....:		N/A
	Test with test probe .....:		N/A
2.1.1.2	Battery compartments.....:		N/A
2.1.1.3	Access to ELV wiring		N/A
	Working voltage (V); minimum distance (mm) through insulation .....:		-
2.1.1.4	Access to hazardous voltage circuit wiring		N/A
2.1.1.5	Energy hazards.....:		N/A
2.1.1.6	Manual controls		N/A
2.1.1.7	Discharge of capacitors in equipment		Pass
	Time-constant (s); measured voltage (V) .....:	At one second, the following voltages were measured: Line to Neutral = <0.1 V peak Line to Protective Earth = <0.1 V peak Neutral to Protective Earth = 5 V peak	-
2.1.2	Protection in service access areas		N/A
2.1.3	Protection in restricted access locations		N/A

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

2.2	**SELV circuits**		Pass
2.2.1	General requirements		Pass
2.2.2	Voltages under normal conditions (V) ..... :	All accessible voltages are less than 42.4 Vp or 60 V dc and are classified as SELV.	Pass
2.2.3	Voltages under fault conditions (V)..... :	Under fault conditions voltages never exceed 71V peak and 120Vdc and do not exceed 42.4V peak or 60V dc for more than 0.2 sec.	Pass
2.2.3.1	Separation by double insulation or reinforced insulation (method 1)		Pass
2.2.3.2	Separation by earthed screen (method 2)		N/A
2.2.3.3	Protection by earthing of the SELV circuit (method 3)		N/A
2.2.4	Connection of SELV circuits to other circuits..... :		N/A

2.3	**TNV circuits**		N/A
2.3.1	Limits		N/A
	Type of TNV circuits ..... :		-
2.3.2	Separation from other circuits and from accessible parts		N/A
	Insulation employed..... :		-
2.3.3	Separation from hazardous voltages		N/A
	Insulation employed..... :		-
2.3.4	Connection of TNV circuits to other circuits		N/A
	Insulation employed..... :		-
2.3.5	Test for operating voltages generated externally		N/A

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

2.4	**Limited current circuits**		N/A
2.4.1	General requirements		N/A
2.4.2	Limit values		N/A
	Frequency (Hz) ..... :		-
	Measured current (mA)..... :		-
	Measured voltage (V) ..... :		-
	Measured capacitance (mF)..... :		-
2.4.3	Connection of limited current circuits to other circuits		N/A

2.5	**Limited power sources**		N/A
	Inherently limited output		N/A
	Impedance limited output		N/A
	Overcurrent protective device limited output		N/A
	Regulating network limited output under normal operating and single fault condition		N/A
	Regulating network limited output under normal operating conditions and overcurrent protective device limited output under single fault condition		N/A
	Output voltage (V), output current (A), apparent power (VA):..... :		-
	Current rating of overcurrent protective device (A) :		-

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
2.6	**Provisions for earthing and bonding**		Pass
2.6.1	Protective earthing	Power supply for building-in. Parts intended to be connected to the PE Terminal in the end product are separated by basic insulation (Class I units only).	N/A
2.6.2	Functional earthing	Power supply for building-in. Functionally earthed parts/circuits are reliable separated from MAINS parts by double/reinforced insulation.	Pass
2.6.3	Protective earthing and protective bonding conductors	Unit is intended for building-in; to be determined in the end product. Bonding conductors were tested and found acceptable.	Pass
2.6.3.1	General		Pass
2.6.3.2	Size of protective earthing conductors	Unit is intended for building-in; to be determined in the end product.	N/A
	Rated current (A), cross-sectional area (mm2), AWG .....:		-
2.6.3.3	Size of protective bonding conductors		Pass
	Rated current (A), cross-sectional area (mm2), AWG .....:	Unit is intended for building-in; to be determined in the end product. Bonding terminals are acceptable.	-
2.6.3.4	Resistance (Ohm) of earthing conductors and their terminations, test current (A) .....:	Unit is intended for building-in; to be determined in the end product. Test conducted from earthing tab of unit to the farthest point away on the chassis. Test conditions: 40A (12Vac source), for 2 minutes. Calculated resistance = 0.0238 Ohms.	Pass
2.6.3.5	Colour of insulation.....:		N/A
2.6.4	Terminals		Pass
2.6.4.1	General		N/A
2.6.4.2	Protective earthing and bonding terminals	Unit is intended for building-in;	Pass

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
		to be determined in the end product. Bonding terminals are acceptable.	
	Rated current (A), type and nominal thread diameter (mm) .....:	Unit is intended for building-in; to be determined in the end product. Bonding terminals are acceptable.	-
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	Unit is intended for building-in; to be determined in the end product.	N/A
2.6.5	Integrity of protective earthing	Unit is intended for building-in; to be determined in the end product.	N/A
2.6.5.1	Interconnection of equipment		N/A
2.6.5.2	Components in protective earthing conductors and protective bonding conductors		N/A
2.6.5.3	Disconnection of protective earth		N/A
2.6.5.4	Parts that can be removed by an operator		N/A
2.6.5.5	Parts removed during servicing		N/A
2.6.5.6	Corrosion resistance		N/A
2.6.5.7	Screws for protective bonding		N/A
2.6.5.8	Reliance on telecommunication network or cable distribution system		N/A

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

2.7	**Overcurrent and earth fault protection in primary circuits**		Pass
2.7.1	Basic requirements		Pass
	Instructions when protection relies on building installation		Pass
2.7.2	Faults not covered in 5.3		Pass
2.7.3	Short-circuit backup protection	Fuses are appropriately rated for the application.	Pass
2.7.4	Number and location of protective devices..... :	One protective device in the "LIVE" phase. May be provided optionally with one protective device in each phase conductor.	Pass
2.7.5	Protection by several devices	When more than one fuse is provided, all protective devices are located together.	Pass
2.7.6	Warning to service personnel ..... :	To be determined in the end-product.	N/A

2.8	**Safety interlocks**		N/A
2.8.1	General principles		N/A
2.8.2	Protection requirements		N/A
2.8.3	Inadvertent reactivation		N/A
2.8.4	Fail-safe operation		N/A
2.8.5	Moving parts		N/A
2.8.6	Overriding		N/A
2.8.7	Switches and relays		N/A
2.8.7.1	Contact gaps (mm) ..... :		N/A
2.8.7.2	Overload test		N/A
2.8.7.3	Endurance test		N/A
2.8.7.4	Electric strength test		N/A
2.8.8	Mechanical actuators		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

2.9	**Electrical insulation**		Pass
2.9.1	Properties of insulating materials		Pass
2.9.2	Humidity conditioning		Pass
	Humidity (%) ..... :	91	-
	Temperature (°C)..... :	30	-
2.9.3	Grade of insulation		Pass

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Clause	Requirement + Test	Result - Remark	Verdict

2.10	**Clearances, creepage distances and distances through insulation**		Pass
2.10.1	General		Pass
2.10.2	Determination of working voltage	792 Vp, 298.2 Vrms	Pass
2.10.3	Clearances		Pass
2.10.3.1	General		Pass
2.10.3.2	Clearances in primary circuit	(see appended table 2.10.3 and 2.10.4)	Pass
2.10.3.3	Clearances in secondary circuits		Pass
2.10.3.4	Measurement of transient voltage levels		N/A
2.10.4	Creepage distances	(see appended table 2.10.3 and 2.10.4) Unit provided with at least 8.0 mm creepage from primary to secondary, and at least 5.0 mm from primary to earth.	Pass
	CTI tests..... :	Material group IIIb; 100 <= CTI < 175.	-
2.10.5	Solid insulation		Pass
2.10.5.1	Minimum distance through insulation		N/A
2.10.5.2	Thin sheet material		N/A
	Number of layers (pcs) ..... :		-
	Electric strength test ..... :		-
2.10.5.3	Printed boards		N/A
	Distance through insulation		N/A
	Electric strength test for thin sheet insulating material ..... :		-
	Number of layers (pcs) ..... :		N/A
2.10.5.4	Wound components		Pass
	Number of layers (pcs) ..... :	Three extruded layers. See Annex U for additional details.	Pass
	Two wires in contact inside wound component; angle between 45° and 90° ..... :		N/A
2.10.6	Coated printed boards		N/A
2.10.6.1	General		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

2.10.6.2	Sample preparation and preliminary inspection		N/A
2.10.6.3	Thermal cycling		N/A
2.10.6.4	Thermal ageing (°C) ..... :		N/A
2.10.6.5	Electric strength test ..... :		-
2.10.6.6	Abrasion resistance test		N/A
	Electric strength test ..... :		-
2.10.7	Enclosed and sealed parts ..... :		N/A
	Temperature T1=T2 = Tma - Tamb +10K (°C)..... :		N/A
2.10.8	Spacings filled by insulating compound..... :		N/A
	Electric strength test ..... :		-
2.10.9	Component external terminations		N/A
2.10.10	Insulation with varying dimensions		N/A

3	**WIRING, CONNECTIONS AND SUPPLY**		Pass
3.1	General		Pass
3.1.1	Current rating and overcurrent protection		Pass
3.1.2	Protection against mechanical damage	Unit is intended for building-in; to be determined in the end product.	N/A
3.1.3	Securing of internal wiring	Internal wiring is triple insulated but help in place using silicone.	Pass
3.1.4	Insulation of conductors		N/A
3.1.5	Beads and ceramic insulators		N/A
3.1.6	Screws for electrical contact pressure		N/A
3.1.7	Insulating materials in electrical connections		N/A
3.1.8	Self-tapping and spaced thread screws		N/A
3.1.9	Termination of conductors		N/A
	10 N pull test		N/A
3.1.10	Sleeving on wiring		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.2	**Connection to an a.c. mains supply or a d.c. mains supply**		N/A
3.2.1	Means of connection	Unit intended for building-in. To be re-evaluated in the end-product.	N/A
3.2.1.1	Connection to an a.c. mains supply	Unit intended for building-in.	N/A
3.2.1.2	Connection to a d.c. mains supply		N/A
3.2.2	Multiple supply connections		N/A
3.2.3	Permanently connected equipment		N/A
	Number of conductors, diameter (mm) of cable and conduits..... :		-
3.2.4	Appliance inlets		N/A
3.2.5	Power supply cords		N/A
3.2.5.1	AC power supply cords	Unit intended for building-in.	N/A
	Type ..... :		-
	Rated current (A), cross-sectional area (mm²), AWG ..... :		-
3.2.5.2	DC power supply cords		N/A
3.2.6	Cord anchorages and strain relief		N/A
	Mass of equipment (kg), pull (N) ..... :		-
	Longitudinal displacement (mm)..... :		-
3.2.7	Protection against mechanical damage		N/A
3.2.8	Cord guards		N/A
	D (mm); test mass (g) ..... :		-
	Radius of curvature of cord (mm) ..... :		-
3.2.9	Supply wiring space		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.3	**Wiring terminals for connection of external conductors**		Pass
3.3.1	Wiring terminals	Applicable to Metal Enclosed Class I and Class II input units only (since those are the only models provided with screw terminals.)	Pass
3.3.2	Connection of non-detachable power supply cords	Unit is intended for building-in; to be determined in the end product.	N/A
3.3.3	Screw terminals		Pass
3.3.4	Conductor sizes to be connected		N/A
	Rated current (A), cord/cable type, cross-sectional area (mm²) ..... :	Terminals are sized accordingly to allow the connection of conductors having nominal cross-sectional areas.	-
3.3.5	Wiring terminal sizes		N/A
	Rated current (A), type and nominal thread diameter (mm) ..... :	Screw type terminals. Minimum nominal thread diameter: 3.5 mm.	-
3.3.6	Wiring terminals design		Pass
3.3.7	Grouping of wiring terminals		Pass
3.3.8	Stranded wire		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

3.4	**Disconnection from the mains supply**		N/A
3.4.1	General requirement	Unit is intended for building-in; to be determined in the end product.	N/A
3.4.2	Disconnect devices		N/A
3.4.3	Permanently connected equipment		N/A
3.4.4	Parts which remain energized		N/A
3.4.5	Switches in flexible cords		N/A
3.4.6	Single-phase equipment and d.c. equipment		N/A
3.4.7	Three-phase equipment		N/A
3.4.8	Switches as disconnect devices		N/A
3.4.9	Plugs as disconnect devices		N/A
3.4.10	Interconnected equipment		N/A
3.4.11	Multiple power sources		N/A

3.5	**Interconnection of equipment**		N/A
3.5.1	General requirements		N/A
3.5.2	Types of interconnection circuits ..... :		N/A
3.5.3	ELV circuits as interconnection circuits		N/A

4	**PHYSICAL REQUIREMENTS**		Pass
4.1	Stability		N/A
	Angle of 10°	Unit is intended for building-in; to be determined in the end product.	N/A
	Test: force (N) ..... :		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

4.2	**Mechanical strength**		N/A
4.2.1	General	Unit is intended for building-in; to be determined in the end product.	N/A
4.2.2	Steady force test, 10 N		N/A
4.2.3	Steady force test, 30 N		N/A
4.2.4	Steady force test, 250 N		N/A
4.2.5	Impact test		N/A
	Fall test		N/A
	Swing test		N/A
4.2.6	Drop test		N/A
4.2.7	Stress relief test		N/A
4.2.8	Cathode ray tubes		N/A
	Picture tube separately certified ..... :		N/A
4.2.9	High pressure lamps		N/A
4.2.10	Wall or ceiling mounted equipment; force (N) ..... :		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

4.3	**Design and construction**		Pass
4.3.1	Edges and corners		N/A
4.3.2	Handles and manual controls; force (N) ..... :		N/A
4.3.3	Adjustable controls		N/A
4.3.4	Securing of parts		N/A
4.3.5	Connection of plugs and sockets		N/A
4.3.6	Direct plug-in equipment		N/A
	Dimensions (mm) of mains plug for direct plug-in . :		N/A
	Torque and pull test of mains plug for direct plug-in; torque (Nm); pull (N) ..... :		N/A
4.3.7	Heating elements in earthed equipment		N/A
4.3.8	Batteries		N/A
4.3.9	Oil and grease		N/A
4.3.10	Dust, powders, liquids and gases		N/A
4.3.11	Containers for liquids or gases		N/A
4.3.12	Flammable liquids ..... :		N/A
	Quantity of liquid (l) ..... :		N/A
	Flash point (°C) ..... :		N/A
4.3.13	Radiation; type of radiation		Pass
4.3.13.1	General		N/A
4.3.13.2	Ionizing radiation		N/A
	Measured radiation (pA/kg) ..... :		-
	Measured high-voltage (kV) ..... :		-
	Measured focus voltage (kV) ..... :		-
	CRT markings ..... :		-
4.3.13.3	Effect of ultraviolet (UV) radiation on materials		N/A
	Part, property, retention after test, flammability classification ..... :		N/A
4.3.13.4	Human exposure to ultraviolet (UV) radiation..... :		N/A
4.3.13.5	Laser (including LEDs)		Pass
	Laser class ..... :	This product contains only	-

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Clause	Requirement + Test	Result - Remark	Verdict
		visible indicator LEDs (Class 1) operating in the range of 400 - 700 nm wavelength. No IEC60825-1 evaluation was deemed necessary. Additional review may be required at the discretion of the accepting NCB.	
4.3.13.6	Other types .....:		N/A
4.4	**Protection against hazardous moving parts**		N/A
4.4.1	General		N/A
4.4.2	Protection in operator access areas		N/A
4.4.3	Protection in restricted access locations		N/A
4.4.4	Protection in service access areas		N/A
4.5	**Thermal requirements**		Pass
4.5.1	Maximum temperatures		Pass
	Normal load condition per Annex L .....:		N/A
4.5.2	Resistance to abnormal heat		N/A
4.6	**Openings in enclosures**		N/A
4.6.1	Top and side openings		N/A
	Dimensions (mm).....:		-
4.6.2	Bottoms of fire enclosures		N/A
	Construction of the bottom.....:		-
4.6.3	Doors or covers in fire enclosures		N/A
4.6.4	Openings in transportable equipment		N/A
4.6.5	Adhesives for constructional purposes		N/A
	Conditioning temperature (°C)/time (weeks) .....:		-

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Clause	Requirement + Test	Result - Remark	Verdict

4.7	**Resistance to fire**		Pass
4.7.1	Reducing the risk of ignition and spread of flame		Pass
	Method 1, selection and application of components wiring and materials		Pass
	Method 2, application of all of simulated fault condition tests		N/A
4.7.2	Conditions for a fire enclosure		N/A
4.7.2.1	Parts requiring a fire enclosure		N/A
4.7.2.2	Parts not requiring a fire enclosure		N/A
4.7.3	Materials		Pass
4.7.3.1	General		Pass
4.7.3.2	Materials for fire enclosures		N/A
4.7.3.3	Materials for components and other parts outside fire enclosures		N/A
4.7.3.4	Materials for components and other parts inside fire enclosures	See Table 1.5.1 for material information.	Pass
4.7.3.5	Materials for air filter assemblies		N/A
4.7.3.6	Materials used in high-voltage components		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

5	**ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS**		Pass
5.1	Touch current and protective conductor current		Pass
5.1.1	General		Pass
5.1.2	Equipment under test (EUT)		Pass
5.1.3	Test circuit		Pass
5.1.4	Application of measuring instrument		Pass
5.1.5	Test procedure		Pass
5.1.6	Test measurements		Pass
	Test voltage (V) ..... :	240 Vac (60Hz)	-
	Measured touch current (mA) ..... :	0.225 mA	-
	Max. allowed touch current (mA) ..... :	3.5 mA	-
	Measured protective conductor current (mA) ..... :		-
	Max. allowed protective conductor current (mA) ... :		-
5.1.7	Equipment with touch current exceeding 3.5 mA .. :		N/A
5.1.8	Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks		N/A
5.1.8.1	Limitation of the touch current to a telecommunication network and a cable distribution system		N/A
	Test voltage (V) ..... :		-
	Measured touch current (mA) ..... :		-
	Max. allowed touch current (mA) ..... :		-
5.1.8.2	Summation of touch currents from telecommunication networks ..... :		N/A

5.2	**Electric strength**		Pass
5.2.1	General	(see appended table 5.2)	Pass
5.2.2	Test procedure		Pass

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Clause	Requirement + Test	Result - Remark	Verdict

5.3	**Abnormal operating and fault conditions**		Pass
5.3.1	Protection against overload and abnormal operation		Pass
5.3.2	Motors		N/A
5.3.3	Transformers		Pass
5.3.4	Functional insulation ..... :	Functional insulation complies with the requirements (a), (b), or (c).	Pass
5.3.5	Electromechanical components		N/A
5.3.6	Simulation of faults		Pass
5.3.7	Unattended equipment		N/A
5.3.8	Compliance criteria for abnormal operating and fault conditions		Pass

6	**CONNECTION TO TELECOMMUNICATION NETWORKS**		N/A
6.1	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment		N/A
6.1.1	Protection from hazardous voltages		N/A
6.1.2	Separation of the telecommunication network from earth		N/A
6.1.2.1	Requirements		N/A
	Test voltage (V) ..... :		-
	Current in the test circuit (mA)..... :		-
6.1.2.2	Exclusions..... :		N/A

6.2	**Protection of equipment users from overvoltages on telecommunication networks**		N/A
6.2.1	Separation requirements		N/A
6.2.2	Electric strength test procedure		N/A
6.2.2.1	Impulse test		N/A
6.2.2.2	Steady-state test		N/A
6.2.2.3	Compliance criteria		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

6.3	**Protection of the telecommunication wiring system from overheating**		N/A
	Max. output current (A) ..... :		-
	Current limiting method..... :		-

7	**CONNECTION TO CABLE DISTRIBUTION SYSTEMS**		N/A
7.1	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment		N/A
7.2	Protection of equipment users from overvoltages on the cable distribution system		N/A
7.3	Insulation between primary circuits and cable distribution systems		N/A
7.3.1	General		N/A
7.3.2	Voltage surge test		N/A
7.3.3	Impulse test		N/A

A	**Annex A, TESTS FOR RESISTANCE TO HEAT AND FIRE**		N/A
A.1	Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2)		N/A
A.1.1	Samples..... :		-
	Wall thickness (mm) ..... :		-
A.1.2	Conditioning of samples; temperature (°C) ..... :		N/A
A.1.3	Mounting of samples..... :		N/A
A.1.4	Test flame		N/A
A.1.5	Test procedure		N/A
A.1.6	Compliance criteria		N/A
	Sample 1 burning time (s)..... :		-
	Sample 2 burning time (s)..... :		-
	Sample 3 burning time (s)..... :		-

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Clause	Requirement + Test	Result - Remark	Verdict

A.2	**Flammability test for fire enclosures of movable equipment having a total mass not exceeding 18 kg, and for material and components located inside fire enclosures (see 4.7.3.2 and 4.7.3.4)**		N/A
A.2.1	Samples, material ..... :		-
	Wall thickness (mm) ..... :		-
A.2.2	Conditioning of samples		N/A
A.2.3	Mounting of samples		N/A
A.2.4	Test flame		N/A
A.2.5	Test procedure		N/A
A.2.6	Compliance criteria		N/A
	Sample 1 burning time (s)..... :		-
	Sample 2 burning time (s)..... :		-
	Sample 3 burning time (s)..... :		-
A.2.7	Alternative test acc. to IEC 60695-2-2, cl. 4, 8		N/A
	Sample 1 burning time (s)..... :		-
	Sample 2 burning time (s)..... :		-
	Sample 3 burning time (s)..... :		-

A.3	**Hot flaming oil test (see 4.6.2)**		N/A
A.3.1	Mounting of samples		N/A
A.3.2	Test procedure		N/A
A.3.3	Compliance criterion		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

B	**Annex B, MOTOR TESTS UNDER ABNORMAL CONDITIONS(see 4.7.2.2 and 5.3.2)**		N/A
B.1	General requirements		N/A
	Position ..... :		-
	Manufacturer..... :		-
	Type ..... :		-
	Rated values..... :		-
B.2	Test conditions		N/A
B.3	Maximum temperatures		N/A
B.4	Running overload test		N/A
B.5	Locked-rotor overload test		N/A
	Test duration (days)..... :		-
	Electric strength test: test voltage (V)..... :		-
B.6	Running overload test for d.c. motors in secondary circuits		N/A
B.7	Locked-rotor overload test for d.c. motors in secondary circuits		N/A
B.7.1	Test procedure		N/A
B.7.2	Alternative test procedure; test time (h)..... :		N/A
B.7.3	Electric strength test		N/A
B.8	Test for motors with capacitors		N/A
B.9	Test for three-phase motors		N/A
B.10	Test for series motors		N/A
	Operating voltage (V)..... :		-

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Clause	Requirement + Test	Result - Remark	Verdict

C	**Annex C, TRANSFORMERS (see 1.5.4 and 5.3.3)**		Pass
	Position ..... :	T1	-
	Manufacturer..... :	GlobTek	-
	Type ..... :	Isolation	-
	Rated values..... :	200W and 350W units	-
	Method of protection ..... :	Reinforced	-
C.1	Overload test		Pass
C.2	Insulation		Pass
	Protection from displacement of windings ..... :	Triple insulated wire used.	Pass

D	**Annex D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS**		Pass
D.1	Measuring instrument		N/A
D.2	Alternative measuring instrument		N/A

E	**Annex E, TEMPERATURE RISE OF A WINDING**	Pass

F	**Annex F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES (see 2.10)**	Pass

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Clause	Requirement + Test	Result - Remark	Verdict

G	**Annex G, ALTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES**		N/A
G.1	Summary of the procedure for determining minimum clearances		N/A
G.2	Determination of mains transient voltage (V)		N/A
G.2.1	AC mains supply		N/A
G.2.2	DC mains supply		N/A
G.3	Determination of telecommunication network transient voltage (V) :.....:		N/A
G.4	Determination of required withstand voltage (V) ...:		N/A
G.5	Measurement of transient levels (V).....:		N/A
G.6	Determination of minimum clearances .....:		N/A

H	**ANNEX H, IONIZING RADIATION (see 4.3.13)**		N/A

J	**Annex J, TABLE OF ELECTROCHEMICAL POTENTIALS (see 2.6.5.6)**		N/A
	Metal used .....:		-

K	**ANNEX K, THERMAL CONTROLS (see 1.5.3 and 5.3.7)**		N/A
K.1	Making and breaking capacity		N/A
K.2	Thermostat reliability; operating voltage (V).....:		N/A
K.3	Thermostat endurance test; operating voltage (V) :		N/A
K.4	Temperature limiter endurance; operating voltage (V) .....:		N/A
K.5	Thermal cut-out reliability		N/A
K.6	Stability of operation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

L	**Annex L, NORMAL LOAD CONDITIONS FOR SOME TYPES OF ELECTRICAL BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.1)**		N/A
L.1	Typewriters		N/A
L.2	Adding machines and cash registers		N/A
L.3	Erasers		N/A
L.4	Pencil sharpeners		N/A
L.5	Duplicators and copy machines		N/A
L.6	Motor-operated files		N/A
L.7	Other business equipment		N/A

M	**Annex M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)**		N/A
M.1	Introduction		N/A
M.2	Method A		N/A
M.3	Method B		N/A
M.3.1	Ringing signal		N/A
M.3.1.1	Frequency (Hz) ..... :		-
M.3.1.2	Voltage (V) ..... :		-
M.3.1.3	Cadence; time (s), voltage (V) ..... :		-
M.3.1.4	Single fault current (mA) ..... :		-
M.3.2	Tripping device and monitoring voltage ..... :		N/A
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N/A
M.3.2.2	Tripping device		N/A
M.3.2.3	Monitoring voltage (V) ..... :		N/A

N	**Annex N, IMPULSE TEST GENERATORS (see 2.10.3.4, 6.2.2.1, 7.3.2 and clause G.5)**		N/A
N.1	ITU-T impulse test generators		N/A
N.2	IEC 60065 impulse test generator		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

P	**Annex P, NORMATIVE REFERENCES**	N/A

Q	**Annex Q, BIBLIOGRAPHY**	N/A

R	**Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES**		N/A
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6)		N/A
R.2	Reduced clearances (see 2.10.3)		N/A

S	**Annex S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)**		N/A
S.1	Test equipment		N/A
S.2	Test procedure		N/A
S.3	Examples of waveforms during impulse testing		N/A

T	**Annex T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER (see 1.1.2)**		N/A
	.....:		-

U	**Annex U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4)**		Pass
	.....:	Furukawa TEX-E wire provided. This report does not include the investigation or the test report for the triple insulated wire employed in the transformer. A test report for the power supply may be required when submitting this CB Test Report to a National Certification Body (NCB) for obtaining certification at national level.	-

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Clause	Requirement + Test	Result - Remark	Verdict

1.5.1	**TABLE: list of critical components**				Pass
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity[1])
Printed Wiring Board	Gospeed PCB Co. or equivalent	KS-01	Min V-0, FR4 material	UL 796C	UL R/C, -
Input Connector for -S and -HOXXX versions.	Molex	26-62-4051	250V, 5A, 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, TUV, CSA
Alternate Input Connector for -S and -HOXXX versions.	WELI Sheng	M-139601	250V, 5A, 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, TUV CSA
Alternate Input Connector for -S and -HOXXX versions.	Joint Tech Electronic Industrial Co Ltd.	A3960WV-5P	250V, 5A, 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, CSA TUV
Alternate Input Connector for -S and -HOXXX versions.	Lian Cheng	A3960WV-5P	250V, 5A, 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, CSA
Alternate Input Connector for -HIXXX and -HIOXXX versions	Molex	09-50-3051	250V, 5A, 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, TUV CSA
Alternate Input Connector for -HIXXX and -HIOXXX versions	WELI Sheng	P-I39601	250V, 7A, 5 CKT 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, TUV CSA
Alternate Input Connector for -HIXXX and -HIOXXX versions	Joint Tech Electronic Industrial Co Ltd.	A3960H-5P	250V, 5A, 3.96mm, Second and fourth pins removed, rated	UL 1059 IEC 60947	UL R/C, CSA TUV

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Clause	Requirement + Test	Result - Remark	Verdict

			min V-2.		
Alternate Input Connector for -HIXXX and -HIOXXX versions	Lian Cheng	A3960H-5P	250V, 5A, 3.96mm, Second and fourth pins removed, rated min V-2.	UL 1059 IEC 60947	UL R/C, CSA
Input Connector for -R and -HORXXX versions	Inalways	0707-1	250V, 10A	UL 1059 IEC 60947	UL R/C, TUV, CSA SEMKO NEMKO DEMKO FIMKO
Alternate Input Connector for -R and -HORXXX versions	Rich Bay Co Ltd	R-30190 (B11)	250V, 10A, rated V-0.	UL 1059 IEC 60947	UL R/C, VDE
Alternate Input Connector for -R and -HORXXX versions	Suprecom Electron Co Ltd.	SC-9-3P	250V, 10A, rated V-0.	UL 1059 IEC 60947	UL R/C, CSA VDE SEMKO NEMKO DEMKO KEMA FI, SEV, OVE, NBN, IMQ
Alternate Input Connector for -R and -HORXXX versions	Tecx-Unions	SC-9(3PIS/ 3PIL)	250V, 10A, rated V-0.	UL 1059	UL R/C, -
Output Connector for -HIXXX, HOXXX and HIOXXX versions	Molex	39-01-2165	600V, 9A, 4.20mm, 16 circuits, rated min V-0.	UL 1059 IEC 60947	UL R/C, TUV CSA
Alternate Output Connector for -HIXXX, -HOXXX and -HIOXXX versions	WELI Sheng	P-I42002Z	250V, 7A, 16 circuits 4.20mm, rated min V-0.	UL 1059 IEC 60947	UL R/C, TUV CSA
Alternate Output Connector for -HIXXX, -HOXXX and -HIOXXX versions	Joint Tech Electronic Industrial Co Ltd.	C4255HF-2X8P	250V, 7A, 16 circuits 4.20mm, rated min V-2.	UL 1059 IEC 60947	UL R/C, CSA TUV

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Alternate					
Output Connector for -HIXXX, -HOXXX and -HIOXXX versions Alternate	Lian Cheng	P-I42002Z	250V, 7A, 16 circuits 4.20mm, rated min V-0.	UL 1059 IEC 60947	UL R/C, CSA
Fuse (F1, F2)	Wickmann	372/TR5 Series	For 132W units: 250V, 3.2 A, time lag; For 200W & 185W units: 250V, 4A time lag; For 231W units: 250V, 5A, time lag For 350W & 280W units: 250V, 6.3A, time lag This fuse has been deemed acceptable as an alternate based upon its I-t curve found in Enclosure 7-13.	UL 198G IEC 60127	UL R/C, VDE SEMKO METI CCC
Alternate Fuse (F1, F2)	Littelfuse	372/TR5 Series	For 132W units: 250V, 3.15 A, time lag; For 200W & 185W units: 250V, 4A time lag; For 231W units: 250V, 5A, time lag For 350W & 280W units:	UL 198G IEC 60127	UL R/C, VDE SEMKO METI CCC PSE-JET K-Mark

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Clause	Requirement + Test	Result - Remark	Verdict

			250V, 6.3A, time lag		
Alternate Fuse (F1, F2)	Bel	MRT Series	For 132W units: 250V, 3.15 A, time lag; For 200W & 185W units: 250V, 4A time lag; For 231W units: 250V, 5A, time lag For 350W & 280W units: 250V, 6.3A, time lag	UL 198G IEC 60127	UL R/C, VDE SEMKO CSA PSE CCC
Alternate Fuse (F1, F2)	Conquer	MET Series	For 132W units: 250V, 3.2 A, time lag; For 200W & 185W units: 250V, 4A time lag; For 231W units: 250V, 5A, time lag For 350W & 280W units: 250V, 6.3A, time lag This fuse has been deemed acceptable as an alternate based upon its I-t curve found in Enclosure 7-14.	UL 198G IEC 60127	UL R/C, VDE SEMKO CSA MITI CCC
Alternate Fuse (F1, F2)	Walter	2000 Series	For 132W units: 250V, 3.2 A, time lag;	UL 198G IEC 60127	UL R/C, VDE SEMKO PSE CCC

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			For 200W & 185W units: 250V, 4A time lag This fuse has been deemed acceptable as an alternate based upon its I-t curve found in Enclosure 7-15.		
Alternate MOV (VDR1)	Thinking Electronics	TVR07471	300Vac	UL 1449 IEC 61643	UL R/C, CSA VDE No. 40021243 CQC
Alternate MOV (VDR1)	Littelfuse	V07E300	300Vac	UL 1449 IEC 61643	UL R/C, CSA VDE No. 116895
Alternate MOV (VDR1)	Panasonic	ERZV-07D471	300Vac	UL 1449 IEC 61643	UL R/C, CSA VDE No. 40018677
Alternate MOV (VDR1)	JOYIN	JVN07N471K65 PU5	300Vac	UL 1449 IEC 61643	UL R/C, CSA VDE No. 005937
Line to Line Capacitor (CX1)	Cheng Tung	CTX	300V min, 0.33uF maximum, Class X1	UL 1283 IEC 60384-14	UL R/C, VDE No. 40026382
Line to Line Capacitor (CX1) Alternate	Xiamen Wanming UTX	HQX	250V min, 0.33uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, VDE No. 40023119, FIMKO
Line to Line Capacitor (CX1) Alternate	Pilkor	PCX Series	250V min, 0.33uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA FIMKO SEMKO ENEC No. 614465
Line to Line Capacitor (CX1) Alternate	Panasonic	ECQUL	250V min, 0.33uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA VDE No. 121548
Line to Line Capacitor (CX1) Alternate	EVOX Rifa	PHE	275V, 0.33uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA ENEC VDE No. 101316
Line to Line Capacitor (CX1) Alternate	Okaya	LE	250V min, 0.33uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA SEMKO/ ENEC No. 815940

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Clause	Requirement + Test	Result - Remark	Verdict

Line to Line Capacitor (CX1) Alternate	Dain	MPX	250V min, 0.33uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA, VDE No. 40018798
Line to Line Capacitor (CX2,CX3)	Cheng Tung	CTX	300V, 0.47uF maximum, Class X1	UL 1283 IEC 60384-14	UL R/C, CSA, VDE No. 40026382
Line to Line Capacitor (CX2, CX3) Alternate	Xiamen Wanming UTX	HQX	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, VDE No. 40023119, FIMKO
Line to Line Capacitor (CX2, CX3) Alternate	Pilkor	PCX Series	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA SEMKO ENEC No. 614465
Line to Line Capacitor (CX2, CX3) Alternate	Panasonic	ECQUL	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA VDE No. 121548
Line to Line Capacitor (CX2, CX3) Alternate	Evox Rifa	PHE	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA ENEC VDE No. 101316
Line to Line Capacitor (CX2, CX3) Alternate	Okaya	RE	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, SEMKO/ ENEC No. 803126
Line to Line Capacitor (CX2, CX3) Alternate	Dain	MPX	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA VDE No. 40018798
Line to Line Capacitor (CX2,CX3) Alternate	Carli Electronics Co Ltd	MPX	250V min, 0.47uF maximum, Class X2	UL 1283 IEC 60384-14	UL R/C, CSA VDE No. 40008520
Line to Earth Capacitor (CY1, CY2)	Walsin / Pan Overseas	AC#	250V min, 1n5 maximum, min Class Y2	UL 1283 IEC 60384-14	UL R/C, VDE no. 40001829 SEMKO
Line to Earth Capacitor (CY1, CY2) Alternate	Murata	KH#	250V min, 1n 5 maximum, min Class Y2	UL 1283 IEC 60384-14	UL R/C, VDE no. 40002796
Line to Earth Capacitor (CY1, CY2) Alternate	TDK	CD	250V min, 1n maximum, min Class Y2	UL 1283 IEC 60384-14	UL R/C, CSA NEMKO VDE No. 40017931
Line to Earth Capacitor (CY1,	Success	SF	250V min, 1n5 maximum, min	UL 1283 IEC 60384-14	UL R/C, VDE No. 40016665

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CY2) Alternate			Class Y2		FIMKO DEMKO SEMKO CCC
Line to Earth Capacitor (CY1, CY2) Alternate	Welson	KL	250V min, 1n5 maximum, min Class Y2	UL 1283 IEC 60384-14	UL R/C, VDE No. 40016156
Line to Earth Capacitor (CY1, CY2) Alternate	JYA-NAY CO. LTD	JY	250V min, 1n5 maximum, min Class Y2	UL 1283 IEC 60384-14	UL R/C, VDE No. 40001827, CSA
Capacitor, bridging (CY6)	Walsin / Pan Overseas	AH	250V min, 1n maximum, Class Y1	UL 1283 IEC 60384-14	UL R/C, VDE No. 40001804
Capacitor, bridging (CY6) Alternate	Murata	KX	250V min, 1n maximum, Class Y1	UL 1283 IEC 60384-14	UL R/C, VDE No. 40002831
Capacitor, bridging (CY6) Alternate	TDK	CD	250V min, 1n maximum, Class Y1	UL 1283 IEC 60384-14	UL R/C, CSA VDE No. 40017931
Capacitor, bridging (CY6) Alternate	Welson	WD	250V min, 1n maximum, Class Y1	UL 1283 IEC 60384-14	UL R/C, VDE No. 40016157
Alternate Capacitor bridging (CY6)	JYA-NAY CO. LTD	JN	250V min, 1n maximum, Class Y1	UL 1283 IEC 60384-14	UL R/C, VDE No. 40001831, CSA
NTC Thermistor (THR1)	Thinking Electronics or equivalent	SCK	16 Ohm, 4A	UL 1434 IEC 60730	UL R/C, CSA
Diode Bridge (BD1)	ST or equivalent	600 V Type	600V 10A minimum	Tested in the power supply.	-, -
Capacitor (C8)	Rubycon or equivalent	MXG Series	450V, 220uF to 390uF.	Tested in the power supply.	-, -
MOSFET (Q1)	ST or equivalent	STW45NM50	500V, 40A minimum	Tested in the power supply.	-, -
MOSFET (Q2, Q3)	ST or equivalent	STP20NM50	500V, 15A minimum	Tested in the power supply.	-, -
DIODE (D3)	CREE or equivalent	CDS06060A or equivalent	600V, 6A minimum	Tested in the power supply.	-, -
Transformer (T1)	GlobTek/ Young-Shang Electronic Plant/ Volt Electronic Factory/ Yao Sheng electronic Co Ltd	See Diagrams Enclosure for part numbers as they correspond to the particular power supply model number.	Provides reinforced/double insulation. Provided w/ R/C Class B (130°C) insulation system. See Diagrams	Tested in the power supply.	-, -

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			Enclosure for details.		
Insulation System (employed in T1)	GlobTek	GTX-1	Class B (130°C). For transformer manufactured by GlobTek only.	UL 508	UL R/C, -
Insulation System (employed in T1)	Young-Shang Electronic Plant	YSE 0510 YSE 0522 YSE 0534	Class B (130°C). For transformer manufactured by Young- Shang Electronic Plant.	UL 508	UL R/C, -
Alternate Insulation System (employed in T1	Volt Electronic Factory	R152D R172D TVT-130 DASH 2B-5 TVT-130 GH-130	Class B (130°C). For transformer manufactured by Heng Chi Li only.	UL 508	UL R/C, -
Alternate Insulation System (employed in T1	Yao Sheng electronic Co Ltd	YST-JC1 M7A90 M7AGHB M7ADEW DASH 2B-5A	Class B (130°C). For transformer manufactured by Heng Chi Li only.	UL 508	UL R/C, -
Optical Isolator (U203, U204)	Lite-on	LTV817C	Minimum 5000 Vac isolation	UL 1577 IEC 60947-5	UL R/C, CSA VDE No. 40015248
Alternate Optical Isolator (U203, U204)	Sharp	PC817C	Minimum 5000 Vac isolation	UL 1577 IEC 60747-5	UL R/C, TUV VDE No. 40008087
Alternate Optical Isolator (U203, U204)	Fairchild	FOD817C	Minimum 5000 Vac isolation	UL 1577 IEC 60747-5	UL R/C, VDE No. 40026857
Alternate Optical Isolator (U203, U204)	VISHAY / Infineon	SFH615ABM	Minimum 5000 Vac isolation	UL 1577 IEC 60747-5	UL R/C, VDE No. 091888
Alternate Optical Isolator (U203, U204)	Cosmo Electronics Co.	KP1010C	Minimum 5000 Vac isolation	UL 1577 IEC 60747-5	UL R/C, VDE No. 101347
Alternate Optical Isolator (U203, U2044)	Everlight	EL817C	Minimum 5000 Vac isolation	UL 1577 IEC 60747-5	UL R/C, VDE No. 132249 SEMKO FIMKO NEMKO DEMKO CSA, BSI
Light Emitting Diode (LED1)	LITEON Or equivalent	LTL-16KGE	575 nm wavelength Green visible light range only	Tested in the power supply.	-, -

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Alternate Light Emitting Diode (LED1)	Cosmo Electronics Co.	KLR03CGX	525 nm wavelength Green visible light range only.	Tested in the power supply.	-, -
Alternate Light Emitting Diode (LED1)	Bright Led Electronics Corp	BL-B2141-AT LED Ø3	Gallium Phosphide green diffused.	Tested in the power supply.	-, -
Alternate Light Emitting Diode (LED1)	Brightek Optoelectronics Co., Ltd.	LA304G1DA-1A/01 Ø3	Gallium Phosphide green diffused.	Tested in the power supply.	-, -
Insulator between PCB and Chassis	Sun-Yo Industrial Co	HX-3F1301-001	Formex GK-18 Rated min V-0, min thickness of 0.43mm	UL 94	UL R/C, -
Alternate Insulator between PCB and Chassis	DMC	HX-3F1301-001	Formex GK-18 Rated min V-0, min thickness of 0.43mm	UL 94	UL R/C, -
Insulator between PCB and Chassis	FU YI	HX-3F1301-001	Formex GK-18 Rated min V-0, min thickness of 0.43mm	UL 94	UL R/C, -
Insulator between Metal Cover and PCB for 350W Version	Sun-Yo Industrial Co	HX-3F1301-005	GE FR700 Rated min 94V-0, min thickness of 0.25mm	UL 94	UL R/C, -
Alternate Insulator between Metal Cover and PCB for 350W Version	DMC	HX-3F1301-005	GE FR700 Rated min 94V-0, min thickness of 0.25mm	UL 94	UL R/C, -
Insulator between Metal Cover and PCB for 350W Version (Alternate)	FU YI	HX-3F1301-005	GE FR700 Rated min 94V-0, min thickness of 0.25mm	UL 94	UL R/C, -
Insulator on metal top of C8 for 350W Version	Sun-Yo Industrial Co	HX-3F1301-003	GE FR700 Rated min 94V-0, min thickness of 0.25mm	UL 94	UL R/C, -
Alternate Insulator on metal top of C8 for 350W Version	DMC	HX-3F1301-003	GE FR700 Rated min 94V-0, min thickness of 0.25mm	UL 94	UL R/C, -

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Alternate Insulator on metal top of C8 for 350W Version	FU YI	HX-3F1301-003	GE FR700 Rated min 94V-0, min thickness of 0.25mm	UL 94	UL R/C, -
U-Channel Chassis	GlobTek, or equivalent	3F0111-00	Aluminum or Steel, Dimensions: minimum 107.2mm by 198.4mm by 45.6mm ; max 3mm thick.	Tested in the power supply.	-, -
Metal Cover for 350W version	GlobTek, or equivalent	3F0111-00	Aluminum or Steel, Dimensions: minimum 107.2mm by 198.4mm; max 1.5mm thick. Provided with holes for FAN	Tested in the power supply.	-, -
Nylon Bushing for secondary side heat sinks	Pingood or equivalent	812D	Nylon 66 Rated min 94V-2	UL 94	UL R/C, -
Fan for 231W and 350W version	ADDA	AD0812MB-A70GL	Brushless 12VDC 80x80X25mm	UL 507 IEC 60950	UL R/C, TUV CSA CE
Alternate Fan for 231W and 350W version	SUNON	KD1208PTB3 KD1208PT	Brushless 12VDC 80x80x25mm	UL 507 IEC 60950	UL R/C, TUV CE
Alternate Fan for 231W and 350W version	NMB	3110KL-04W-B30-P00	Brushless 12VDC 80x80x25mm	UL 507 IEC 60950	UL R/C, CSA VDE CE
Alternate Fan for 231W and 350W version	EBM Papst	8412NME	Brushless 12VDC 80x80x25mm	UL 507 IEC 60950	UL R/C, CSA VDE
[1]) an asterisk indicates a mark which assures the agreed level of surveillance					

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1.6.2	**TABLE: electrical data (in normal conditions)**						Pass
fuse #	I rated (A)	U (V)	P (W)	I (mA)	I fuse (mA)	condition/status	
-	-	-	-	-	-	Model GTM9200P1323.3	
F1	2.5	90	173	1950	3150	Test Passed	
F1	2.5	100	171	1750	3150	Test Passed	
F1	2.5	120	171	1460	3150	Test Passed	
F1	2.5	132	170	1320	3150	Test Passed	
F1	2.5	200	170	1380	3150	Test Passed	
F1	2.5	240	167	1180	3150	Test Passed	
F1	2.5	264	174	1090	3150	Test Passed	
-	-	-	-	-	-	Model GTM9200P2313.3	
F1	4	90	319	3590	5000	Test Passed	
F1	4	100	318	3200	5000	Test Passed	
F1	4	120	316	2650	5000	Test Passed	
F1	4	132	308	2390	5000	Test Passed	
F1	4	200	302	2030	5000	Test Passed	
F1	4	240	300	1760	5000	Test Passed	
F1	4	264	302	1500	5000	Test Passed	
-	-	-	-	-	-	Model GTM9200P20048	
F1	3.2	90	250	2770	4000	Test Passed	
F1	3.2	100	248	2480	4000	Test Passed	
F1	3.2	120	242	2060	4000	Test Passed	
F1	3.2	132	238	1870	4000	Test Passed	
F1	3.2	200	244	1580	4000	Test Passed	
F1	3.2	240	232	1300	4000	Test Passed	
F1	3.2	264	264	1500	4000	Test Passed	
-	-	-	-	-	-	Model GTM9200P35048	
F1	5	90	435	4860	6300	Test Passed	
F1	5	100	430	4320	6300	Test Passed	
F1	5	120	418	3540	6300	Test Passed	
F1	5	132	416	3210	6300	Test Passed	
F1	5	200	414	2090	6300	Test Passed	
F1	5	240	414	1750	6300	Test Passed	
F1	5	264	400	1590	6300	Test Passed	
supplementary information:							
See Enclosed Test Record							

2.10.3 and 2.10.4	**TABLE: clearance and creepage distance measurements**					Pass
clearance cl and creepage distance dcr at/of:	Up (V)	U r.m.s. (V)	required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)
Model GTM9200P20048	-	-	-	-	-	-

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Clause	Requirement + Test	Result - Remark	Verdict

T1-3, 4 to T1-7, 8	352	234	3.8	9	5.0	9
T1-5, 6 to T1-7, 8	728	298	5.0	9	6.4	9
T1-3, 4 to T1-11, 12	432	270	5.0	9	6.4	9
T1-5, 6 to T1-7, 8	304	128	3.8	9	5.0	9
T1-1 to T1-7, 8	176	93	2.6	9	2.8	9
T1-2 to T1-11, 12	256	77	2.8	9	2.8	9
supplementary information:						
See Enclosed Test Record						

2.10.5	**TABLE: distance through insulation measurements**			Pass
distance through insulation di at/of:	Up (V)	test voltage (V)	required di (mm)	di (mm)
Transformer, T1	264	1500 per layer	3 layers	0.5
supplementary information:				
See Enclosed Test Record				

4.5	**TABLE: temperature rise measurements**						Pass
	test voltage (V)	264	-	-	-	-	—
	t1 (°C).....	25	-	-	-	-	—
	t2 (°C).....	-	-	-	-	-	—
maximum temperature T of part/at:		T (°C)					allowed Tmax (°C)
Model GTM9200P2313.3		-	-	-	-	-	-
Ambient		25.1	-	-	-	-	-
Connector 1 (back)		26.0	-	-	-	-	130
F1 (top of casing)		26.3	-	-	-	-	105
L3 Winding		28.3	-	-	-	-	105
L4 Winding		27.6	-	-	-	-	105
L5 Winding		26.7	-	-	-	-	105
L6 Winding		33.4	-	-	-	-	105
BD1 Casing		42.7	-	-	-	-	150
Q1 Casing		43.1	-	-	-	-	150
D3 Casing		43.6	-	-	-	-	130
Q2 Casing		43.9	-	-	-	-	150
T1 Winding		55.4	-	-	-	-	130
T1 Core		51.6	-	-	-	-	130
PCB between C8 and R46-R49		41.0	-	-	-	-	105
L100 Winding		41.6	-	-	-	-	105
D105 Casing		59.2	-	-	-	-	105

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Clause	Requirement + Test	Result - Remark	Verdict

Q100 Casing	45.4	-	-	-	-	150
U204 Casing	29.9	-	-	-	-	150
CX2	25.6	-	-	-	-	130
Model GTM9200P20012	-	-	-	-	-	-
Ambient	23.3	-	-	-	-	-
Connector 1 (back)	31.4	-	-	-	-	130
F1 (top of casing)	32.5	-	-	-	-	130
L3 Winding	34.9	-	-	-	-	105
L4 Winding	39.1	-	-	-	-	105
L5 Winding	37.2	-	-	-	-	105
L6 Winding	53.8	-	-	-	-	105
BD1 Casing	49.3	-	-	-	-	150
Q1 Casing	52.3	-	-	-	-	150
D3 Casing	49.9	-	-	-	-	150
Q2 Casing	57.2	-	-	-	-	150
T1 Winding	60.2	-	-	-	-	130
T1 Core	62.2	-	-	-	-	130
PCB between C8 and R46-R49	54.5	-	-	-	-	105
L100 Winding	51.7	-	-	-	-	105
D105 Casing	52.7	-	-	-	-	150
Q100 Casing	51.3	-	-	-	-	150
U204 Casing	55.7	-	-	-	-	150
Model GTM9200P20048	-	-	-	-	-	-
Ambient	22.8	-	-	-	-	-
Connector 1 (back)	36.2	-	-	-	-	130
F1 (top of casing)	34.8	-	-	-	-	130
L3 Winding	39.4	-	-	-	-	105
L4 Winding	44.7	-	-	-	-	105
L5 Winding	40.8	-	-	-	-	105
L6 Winding	57.4	-	-	-	-	105
BD1 Casing	57.1	-	-	-	-	150
Q1 Casing	57.3	-	-	-	-	150
D3 Casing	57.2	-	-	-	-	150
Q2 Casing	84.9	-	-	-	-	150
T1 Winding	74.4	-	-	-	-	130
T1 Core	73.6	-	-	-	-	130
PCB between C8 and R46-R49	66.1	-	-	-	-	105
L100 Winding	58.4	-	-	-	-	105
D105 Casing	59.2	-	-	-	-	150
Q100 Casing	58.6	-	-	-	-	150
U204 Casing	67.4	-	-	-	-	150
CX2	57.4	-	-	-	-	130
Model GTM9200P35012	-	-	-	-	-	-
Ambient	23.4	-	-	-	-	-
Connector 1 (back)	24.8	-	-	-	-	130
F1 (top of casing)	23.8	-	-	-	-	130
L3 Winding	28.7	-	-	-	-	105

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

L4 Winding	26.6	-	-	-	-	105
L5 Winding	25.9	-	-	-	-	105
L6 Winding	28.8	-	-	-	-	105
BD1 Casing	39.9	-	-	-	-	150
Q1 Casing	40.4	-	-	-	-	150
D3 Casing	39.2	-	-	-	-	150
Q2 Casing	43.7	-	-	-	-	150
T1 Winding	41.3	-	-	-	-	130
T1 Core	44.7	-	-	-	-	130
PCB between C8 and R46-R49	40.9	-	-	-	-	105
L100 Winding	31.7	-	-	-	-	105
D105 Casing	38.2	-	-	-	-	150
Q100 Casing	43.6	-	-	-	-	150
U204 Casing	30.9	-	-	-	-	150
Model GTM9200P35048	-	-	-	-	-	-
Ambient	22.6	-	-	-	-	-
Connector 1 (back)	24.2	-	-	-	-	130
F1 (top of casing)	24.1	-	-	-	-	130
L3 Winding	27.4	-	-	-	-	105
L4 Winding	26.2	-	-	-	-	105
L5 Winding	26.1	-	-	-	-	105
L6 Winding	28.2	-	-	-	-	105
BD1 Casing	38.4	-	-	-	-	150
Q1 Casing	38.0	-	-	-	-	150
D3 Casing	36.1	-	-	-	-	150
Q2 Casing	50.3	-	-	-	-	150
T1 Winding	46.4	-	-	-	-	130
T1 Core	42.7	-	-	-	-	130
PCB between C8 and R46-R49	35.0	-	-	-	-	105
L100 Winding	29.1	-	-	-	-	105
D105 Casing	33.7	-	-	-	-	150
Q100 Casing	39.0	-	-	-	-	150
U204 Casing	27.2	-	-	-	-	150
temperature T of winding:		R_1 (Ω)	R_2 (Ω)	T (°C)	allowed Tmax (°C)	insulation class
-		-	-	-	-	-
supplementary information:						
See Enclosed Test Record						

4.5.2	**TABLE: ball pressure test of thermoplastics**		N/A
	allowed impression diameter (mm)..... :		—

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

part	test temperature (°C)	impression diameter (mm)
supplementary information:		

4.7	**TABLE: resistance to fire**			Pass
part	manufacturer of material	type of material	thickness(mm)	flammability class
-	-	-	-	-
supplementary information:				
Method 1 used, see Table 1.5.1				

5.2	**TABLE: electric strength tests, impulse tests and voltage surge tests**	Pass
test voltage applied between:	test voltage (V) a.c./d.c.	breakdown Yes / No
Primary to Chassis	2121 Vdc	No
Primary to Secondary	5656 Vdc	No
supplementary information:		
See Enclosed Test Record		

5.3	**TABLE: fault condition tests**					Pass
	ambient temperature (°C) ..... :				25	—
	model/type of power supply..... :				See below	—
	manufacturer of power supply ..... :				GlobTek	—
	rated markings of power supply ..... :				100-240 Vac, 4 A, 50/60 Hz	—
component No.	fault	test voltage (V)	test time	fuse No.	fuse current (A)	result
-	-	-	-	-	-	Model GTM9200P1323.3
1	DB1 Short	264	1 sec.	F1, F2	0	F1, F2 open; No breakdown
2	Q1 Short	264	1 sec.	F2	0	F2 open; No breakdown
3	Q100 Short	264	1 hr.	F1	1.5	Unit operates normally
4	D105 Short	264	1 hr.	F1	1.5	Unit operates normally
-	-	-	-	-	-	Model GTM9200P20048
1	DB1 Short	264	1 sec.	F1,	0	F1 open; No breakdown

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

				F2		
2	Q1 Short	264	1 sec.	F1	0	F2 open; No breakdown
3	Q100 Short	264	1 hr.	F1	1.5	Unit operates normally
-	-	-	-	-	-	Model GTM9200P35048
1	DB1 Short	264	1 sec.	F1, F2	0	F1 open; No breakdown
2	Q1 Short	264	1 sec.	F1	0	F1 open; No breakdown
3	Q100 Short	264	1 hr.	F1	1.5	Operates normally
4	U204 Short	264	1 sec.	F1	0	F1 open; No breakdown
5	D105 Short	264	1 hr.	F1	1.5	Operates normally

supplementary information:

Results Key: IP = Internal protection operated (component indicated) CT = Constant temperatures were obtained TW = Transformer winding opened CD = Components damaged (damaged components indicated) NB = No indication of dielectric breakdown YB = Dielectric breakdown (time and location indicated) NC = Cheesecloth remained intact YC = Cheesecloth charred or flamed NT = Tissue paper remained intact YT = Tissue paper charred or flamed. These tests were performed with a Littelfuse 372/TR5 Series fuses. Alternate fuses are included in the Critical Components List and have deemed acceptable as an alternates based upon their I-t curves found in Enclosures 7-13 through 7-15.

Enclosure

National Differences

Argentina*
Australia / New Zealand
Austria**
Belgium**
China*
Czech Republic**
Denmark
Finland
France**
Germany
Greece**
Group
Hungary*
India*
Ireland*
Israel*
Italy*
Japan*
Kenya*
Korea
Malaysia*
Netherlands**
Norway
Poland*
Portugal*
Singapore*
Slovakia**
Slovenia*
Spain*
Sweden
Switzerland**
USA / Canada
United Kingdom

* No National Differences Declared
** Only Group Differences

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Australia / New Zealand - Differences to IEC 60950-1:2001, First Edition			
1.2.12.11	POTENTIAL IGNITION SOURCE Possible fault which can starts a fire if the open-circuit voltage measured across an interruption or faulty contact exceeds a value of 50 V (peak) a.c. or d.c. and the product of the peak value of this voltage and the measured r.m.s. current under normal operating conditions exceeds 15VA. Such a faulty contact or interruption in an electrical connection includes those which may occur in conductive patterns on printed boards. Note 201: An electronic protection circuit may be used to prevent such a fault from becoming a POTENTIAL IGNITION SOURCE.		N/A
1.5.1	Add to the first paragraph: "or the relevant Australian / New Zealand Standard".		Pass
1.5.2	Add to the first and third dashed items after the words "IEC Component Standard": "or the relevant Australian / New Zealand Standard".		Pass
1.6.1	Add: AC power distribution systems classified as TT or IT are not allowed	Unit investigated for use on TN(-S) system.	Pass
1.7.12	Add to the first paragraph: All safety instructions and safety markings shall be in English.		N/A
3.2.5	Substitute for Table 3B: Sizes of Conductors ---------- Rated Current of Equipment (A) — Nominal cross-sectional area (mm²) ---------- 0.2 <= 3 — 0.5* 3 <= 7.5 — 0.75 7.5 <= 10 — (0.75) 1.00 10 <= 16 — (1,0) 1.5 16 <= 25 — 2.5 25 <= 32 — 4 32 <= 40 — 6 40 <= 63 — 10 63 <= 80 — 16 80 <= 100 — 25 100 <= 125 — 35 125 <= 160 — 50 160 <= 190 — 70 190 <= 230 — 95 230 <= 260 — 120		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	260 <= 300 150 300 <= 340 185 340 <= 400 240 400 <= 460 300 ---------- * This nominal cross-sectional area is only allowed for Class II appliances if the length of the power supply cord, measured between the point where the cord or cord guard, enters the appliance, and the entry to the plug, does not exceed 2 m (0.5 mm² three-core supply flexible cords are not permitted; see Note 2 to Table 2.17 of AS/NZS 3191).		
4.3.6	Replace the third paragraph: Equipment with a plug portion, suitable for insertion into a 10 A 3-pin flat-pin socket-outlet complying with AS/NZS 3112, shall comply with the requirements in AS/NZS 3112 for equipment with integral pins for insertion into socket-outlets.		N/A
4.3.13	For the purpose of this standard compliance with AS/NZS 2211.1 is deemed to be compliance with IEC60825.1		N/A
4.7	Add after the clause: For alternative resistance to fire tests, refer to Annex YY.		N/A
6.2.1	Replace item c) with: An SELV circuit, a TNV-2 circuit or a Limited Current Circuit provided for connection of other equipment. The requirement for separation applies whether or not this circuit is accessible.		N/A
6.2.2	Replace the first paragraph by: In Australia (not in New Zealand), compliance with 6.2.2 is checked by the tests of both 6.2.2.1 and 6.2.2.2.		N/A
6.2.2.1	Replace 6.2.2.1 with: In Australia (not in New Zealand), the electrical separation is subjected to 10 impulses of alternating polarity, using the impulse test generator of Annex N for 10/700µs impulses. The interval between successive impulses is 60 s and the initial voltage, Uc is: - for 6.2.1a): 7.0 kV for hand-held telephones and for headsets; 2.5 kV for other equipment; for 6.2.1b) and 6.2.1c): 1.5 kV.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	NOTE 1 - The 7 kV impulse is to simulate lightning surges on typical rural and semi-rural network lines. NOTE 2 - The value of 2.5 kV for 6.2.1a) was chosen to ensure adequacy of the insulation concerned and does not necessarily simulate likely overvoltages.		
6.2.2.2	Replace the first and second paragraphs of 6.2.2.2 with: In Australia (not New Zealand), the electrical separation is subjected to an electric strength test according to 5.2.2. The a.c. test voltage is: - for 6.2.1a) 3 kV - for 6.2.1b) and 6.2.1c) 1.5 kV NOTE 1 - Where there are capacitors across the insulation under test, it is recommended that d.c. test voltages are used. NOTE 2 - The 3 kV and 1.5 kV values have been determined considering the low frequency induced voltages from the power supply distribution system.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Denmark - Differences to IEC 60950-1:2001, First Edition			
1.2.4.1	Certain types of Class I appliances (see sub-clause 3.2.1.1) may be provided with plug not establishing earthing continuity when inserted into Danish socket-outlets.		Pass
1.7.2	Supply cords of Class I equipment, which is delivered without a plug, must be provided with a visible tag with the following text: "Vigtigt ! Lederen med grøn/gul isolation må kun tilsluttes en klemme mærket (IEC 417, No. 5019) eller (IEC 417, No. 5017)." If essential for the safety of the equipment, the tag must in addition be provided with a diagram, which shows the connection of the other conductors, or be provided with the following text: "For tilslutning af de øvrige ledere, se medfølgende installationsvejledning".		N/A
1.7.5	Socket-outlets for providing power to other equipment shall be in accordance with the Heavy Current Regulations, Section 107-2-D1, Standard Sheet DK 1-3a, DK 1-5a or DK 1-7a, when used on Class I equipment. For stationary equipment, the socket0outlet shall be in accordance with Standard Sheet DK 1-1b or DK 1-5a.		N/A
1.7.5	Class II equipment shall not be fitted with socket-outlets for providing power to other equipment.		N/A
3.2.1.1	Supply cord of single-phase equipment having a rated current not exceeding 13 A shall be provided with a plug according to the Heavy Current Regulations, Section 107-2-D1. Class I equipment provided with socket-outlets with earth contact or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. If poly-phase equipment and single-phase equipment having a rated current exceeding 13 A is provided with a supply cord with a plug, this plug shall be in accordance with the Heavy Current		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

	Regulations, Section 107-2-D1 or EN 60309-2.		

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Finland - Differences to IEC 60950-1:2001, First Edition			
1.7.2	Class I Pluggable Equipment Type A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. The marking text shall be: "Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaan"		N/A
6.1.2.1	Add the following text between the first and second paragraph: If this insulation is solid, including insulation forming part of a component, it shall at least consist of either - two layers of thin sheet material, each of which shall pass the electric strength test below, or - one layer having a distance through insulation of at least 0.4 mm, which shall pass the electric strength test below. If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition: - passes the tests and inspection criteria of IEC 60950-1, 2.10.8 with an electric strength test of 1.5 kV multiplied by 1.6 (the electric strength test of 2.10.7 shall be performed using 1.5 kV), and - is subject to routing testing for electric strength during manufacturing, using a test voltage of 1.5 kV. It is permitted to bridge this insulation with a capacitor complying with IEC 60384-14:1993, subclass Y2. A capacitor classified Y3 according to IEC 60384-14:1993, may bridge this insulation under the following conditions: - the insulation requirements are satisfied by having a capacitor classified Y3 as defined by IEC 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2.5 kV defined in EN		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	60950-1, subclause 6.2.2.1; - the additional testing shall be performed on all the test specimens as described in IEC 60384-14; - the impulse test of 2,5 kV is to be performed before the endurance test in IEC 60384-14, in the sequence of tests as described in IEC 60384-14.		
6.1.2.2	The exclusions are applicable for permanently connected equipment and pluggable equipment type B and equipment intended to be used in a restricted access location where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected protective earthing conductor and is provided with instructions for the installation of that conductor by a service person.		N/A
7.1	Requirements according to this annex, 6.1.2.1 and 6.1.2.2 apply with the term telecommunication network in 6.1.2 being replaced by the term cable distribution system.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Germany - Differences to IEC 60950-1:2001, First Edition			
1.7.12	(Gesetz uber technische Arbeitsmittel (Garatesicherheitsgesetz) [Law of technical labour equipment {Equipment safety law}], of 23rd October 1992, Article 3, 3rd paragraph, 2nd sentence, together with the "Allgemeine Verwaltungsvorschrift zur Durchfuhrung des Zweiten Abschritts des Geratesicherheitsgesetzes" [General administrative regulation on the execution of the Second Section of the Equipment safety law], of 10th January 1996, article 2, the paragraph, item 2). Directions for use with rules to prevent certain hazards for (among others) maintenance of the technical labour equipment, also for imported technical labour equipment shall be written in the German language. NOTE: Of this requirement, rules for use even only by service personnel are not exempted.		N/A
H	(Regulation on protection against hazards by X-ray,of 8th January 1987, Article 5 [operation of X-ray emission source], clauses 1 to 4) a) A licence is required by those who operate an X-ray emission source. b) A licence in accordance with Cl. 1 is not required by those who operate an X-ray emission source on which the electron acceleration voltage does not exceed 20 kV if 1) the local dose rate at a distance of 0,1 m from the surface does not exceed 1 µSv/h and 2) it is adequately indicated on the X-ray emission source that i) X-rays are generated ii) the electron acceleration voltage must not exceed the maximum value stipulated by the manufacturer or importer. c) A licence in accordance with Cl. 1 is also not required by persons who operate an X-ray emission source on which the electron acceleration voltage exceeds 20 kV if 1) the X-ray emission source has been granted a type approval and 2) it is adequately indicated on the X-ray emission source that i) X-rays are generated ii) the device stipulated by the manufacturer or importer guarantees that the maximum		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	permissible local dose rate in accordance with the type approval is not exceeded and iii) the electron acceleration voltage must not exceed the maximum value stipulated by the manufacturer or importer. d) Furthermore, a licence in accordance with Cl. 1 is also not required by persons who operate X-ray emission sources on which the electron acceleration voltage does not exceed 30 kV if 1) the X-rays are generated only by intrinsically safe CRTs complying with Enclosure III, No. 6, 2) the values stipulated in accordance with Enclosure III, No. 6.2 are limited by technical measures and specified in the device and 3) it is adequately indicated on the X-ray emission source that the X-rays generated are adequately screened by the intrinsically safe CRT.		

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Group - Differences to IEC 60950-1:2001, First Edition			
2.7.1	Replace the subclause as follows: Basic requirements To protect against excessive current, short-circuits and earth faults in primary circuits, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of 5.3 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.		N/A
2.7.2	Void		N/A
2.10.2	Replace the first line "(see also 1.4.7)" by "(see also 1.4.8)".		N/A
3.2.3	Delete NOTE 1, and in table 3A delete the conduit sizes in parentheses.		N/A
3.2.5	Replace: "60245 IEC 53" by "H05 RR-F" "60227 IEC 52" by "H03 VV-F or H03 VVH2-F" "60227 IEC 53" by "H05 VV-F or H05 VVH2-F" In table 3B, replace the first four lines by the following: Up to and including 6 0.75 [1] Over 6 up to and including 10 0.75 [2] 1.0 Over 10 up to and including 16 1.0 [3] 1.5 In the Conditions applicable to table 3B, delete the		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	words "in some countries" in condition [1]. In Note 1, delete the second sentence.		
3.3.4	In table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following: "Over 10 up to and including 16 1.5 to 2.5 1.5 to by 4" Delete the fifth line: conductor sizes for 13 to 16A.		N/A
4.3.13.6	Add the following note: NOTE - Attention is drawn to 1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz. Standards taking into account this recommendation are currently under development.		N/A
General	Delete all the "country" notes in the reference document according to the following list: 1.5.1 Note 2 1.5.8 Note 2 1.6.1 Note 1.7.2 Note 4 1.7.12 Note 2 2.1 Note 2.2.3 Note 2.2.4 Note 2.3.2 Note 2, 7, 8 2.3.3 Note 1, 2 2.3.4 Note 2,3 2.7.1 Note 2.10.3.1 Note 4 3.2.1.1 Note 3.2.3 Note 1, 2 3.2.5.1 Note 2 4.3.6 Note 1,2 4.7.2.2 Note 4.7.3.1 Note 2 6.1.2.1 Note 6.1.2.2 Note 6.2.2 Note 6.2.2.1 Note 2 6.2.2.2 Note 7 Note 4 7.1 Note G2.1 Note 1, 2 H Note 2		N/A
H	Replace the last paragraph of this annex by: At any point 10 cm from the surface of the operator access area, the dose rate shall not exceed 1 µSv/h (0,1 mR/h) (see note). Account is taken of the background level. Replace the notes as follows: NOTE - These values appear in Directive 96/29/Euratom. Delete Note 2.		N/A
P	Replace the text of this annex by: See annex ZA		N/A
Q	Replace the title of IEC 61032 by "Protection of persons and equipment by enclosures - Probes for verification". Add the following notes for the standards indicated: IEC 60127 NOTE Harmonized as EN 60127		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	(Series) (not modified) IEC 60269-2-1 NOTE Harmonized as HD 630.2.1 S4:2000 (modified) IEC 60529 NOTE Harmonized as EN 60529:1991 (not modified) IEC 61032 NOTE Harmonized as EN 61032:1998 (not modified) IEC 61140 NOTE Harmonized as EN 61140:2001 (not modified) ITU-T Recommendation K.31 NOTE in Europe, the suggested document is EN 50083-1.		

Korea - Differences to IEC 60950-1:2001, First Edition			
1.5.101	Addition: Plugs for the connection of the apparatus to the supply mains comply with the Korean requirement (KSC 8305).	Unit is intended for building-in; to be determined in the end product.	N/A
7	Addition: EMC - The apparatus shall complies with the relevant CISPR standards.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Norway - Differences to IEC 60950-1:2001, First Edition			
1.5.8	Due to the IT power system used (see annex V, figure V.7), capacitors are required to be rated for the applicable phase-to-phase voltage (230 V).		N/A
1.7.2	Class I Pluggable Equipment Type A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. The marking text shall be: "Apparatet må tilkoples jordet stikkontakt"		N/A
2.2.4	Requirements according to this annex, 1.7.2 and 6.1.2.1 apply.		N/A
2.3.2	Requirements according to this annex, 6.1.2.1 apply.		N/A
2.3.3	Requirements according to this annex, 1.7.2 and 6.1.2.1 apply.		N/A
2.3.4	Requirements according to this annex, 1.7.2 and 6.1.2.1 apply.		N/A
2.10.3.1	Due to the IT power distribution system used (see annex V, figure V.7), the A.C. mains supply voltage is considered to be equal to the line-to-line voltage, and will remain at 230 V in case of a single earth fault.		N/A
6.1.2.1	Add the following text between the first and second paragraph: If this insulation is solid, including insulation forming part of a component, it shall at least consist of either - two layers of thin sheet material, each of which shall pass the electric strength test below, or - one layer having a distance through insulation of at least 0.4 mm, which shall pass the electric strength test below. If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	the compliance clause below and in addition: - passes the tests and inspection criteria of IEC 60950-1, 2.10.8 with an electric strength test of 1.5 kV multiplied by 1.6 (the electric strength test of 2.10.7 shall be performed using 1.5 kV), and - is subject to routing testing for electric strength during manufacturing, using a test voltage of 1.5 kV. It is permitted to bridge this insulation with a capacitor complying with IEC 60384-14:1993, subclass Y2. A capacitor classified Y3 according to IEC 60384-14:1993, may bridge this insulation under the following conditions: - the insulation requirements are satisfied by having a capacitor classified Y3 as defined by IEC 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in EN 60950-1, subclause 6.2.2.1; - the additional testing shall be performed on all the test specimens as described in IEC 60384-14; - the impulse test of 2,5 kV is to be performed before the endurance test in IEC 60384-14, in the sequence of tests as described in IEC 60384-14.		
6.1.2.2	The exclusions are applicable for permanently connected equipment and pluggable equipment type B and equipment intended to be used in a restricted access location where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected protective earthing conductor and is provided with instructions for the installation of that conductor by a service person.		N/A
7.1	Requirements according to this annex, 6.1.2.1 and 6.1.2.2 apply with the term telecommunication network in 6.1.2 being replaced by the term cable distribution system.		N/A
G.2.1	Due to the IT power distribution system used (see annex V, figure V.7), the A.C. mains supply voltage is considered to be equal to the line-to-line voltage, and will remain at 230 V in case of a single earth fault.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

Sweden - Differences to IEC 60950-1:2001, First Edition			
1.5.1	(Ordinance (1990:944)) Add NOTE: Switches containing mercury such as thermostats, relays and level controllers are not allowed.		N/A
1.7.2	Class I Pluggable Equipment Type A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. The marking text shall be: "Apparaten skall anslutas till jordat uttag"		N/A
6.1.2.1	Add the following text between the first and second paragraph: If this insulation is solid, including insulation forming part of a component, it shall at least consist of either - two layers of thin sheet material, each of which shall pass the electric strength test below, or - one layer having a distance through insulation of at least 0.4 mm, which shall pass the electric strength test below. If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition: - passes the tests and inspection criteria of IEC 60950-1, 2.10.8 with an electric strength test of 1.5 kV multiplied by 1.6 (the electric strength test of 2.10.7 shall be performed using 1.5 kV), and - is subject to routing testing for electric strength during manufacturing, using a test voltage of 1.5 kV. It is permitted to bridge this insulation with a capacitor complying with IEC 60384-14:1993, subclass Y2. A capacitor classified Y3 according to IEC 60384-14:1993, may bridge this insulation under the following conditions: - the insulation requirements are satisfied by		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	having a capacitor classified Y3 as defined by IEC 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in EN 60950-1, subclause 6.2.2.1; - the additional testing shall be performed on all the test specimens as described in IEC 60384-14; - the impulse test of 2,5 kV is to be performed before the endurance test in IEC 60384-14, in the sequence of tests as described in IEC 60384-14.		
6.1.2.2	The exclusions are applicable for permanently connected equipment and pluggable equipment type B and equipment intended to be used in a restricted access location where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected protective earthing conductor and is provided with instructions for the installation of that conductor by a service person.		N/A
7.1	Requirements according to this annex, 6.1.2.1 and 6.1.2.2 apply with the term telecommunication network in 6.1.2 being replaced by the term cable distribution system.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

USA / Canada - Differences to IEC 60950-1:2001, First Edition			
1.1	Equipment able to be installed in accordance with the National Electrical Code ANSI/NFPA 70 and the Canadian Electrical Code, Part1, and when applicable, the National Electrical Safety Code, IEEE C2.		Pass
1.1.1	Equipment able to be installed in accordance with ANSI/NFPA 75 and NEC Art. 645 unless intended for use outside of computer room and provided with such instructions.		Pass
1.1.2	Equipment in wire-line communication facilities serving high-voltage electric power stations operating at greater than 1kV are excluded.		N/A
1.1.2	Special requirements apply to equipment intended for use outdoors.		N/A
1.4.14	For Pluggable Equipment Type A, the protection in the installation is assumed to be 20 A.		N/A
1.5.1	All IEC standards for components identified in Annex P.1 replaced by the relevant requirements of CSA and UL component standards in Annex P.1.		Pass
1.5.1	All IEC standards for components identified in Annex P.2 alternatively satisfied by the relevant requirements of CSA and UL component standards in Annex P.2.		Pass
1.5.5	Interconnecting cables acceptable for the application regarding voltage, current, temperature, flammability, mechanical serviceability and the like.		N/A
1.5.5	For other than limited power and TNV circuits, the type of output circuit identified for output connector.		N/A
1.5.5	External cable assemblies that exceed 3.05 m in length to be types specified in the NEC and CEC.		N/A
1.5.5	Detachable external interconnecting cables 3.05 m or less in length and provided with equipment marked to identify the responsible organization and the designation for the cable.		N/A
1.5.5	Building wiring and cable for use in ducts, plenums and other air handling space subject to special requirements and excluded from scope.		N/A
1.5.5	Telephone line and extension cords and the like comply with UL 1863 and CSA C22.2 No. 233.		N/A
1.6.1.2	Equipment intended for connection to a d.c. power (mains) distribution system is subject to special		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	circuit classification requirements (e.g., TNV-2)		
1.6.1.2	Earthing of d.c. powered equipment provided.		N/A
1.7	Lamp replacement information indicated on lampholder in operator access area.		N/A
1.7.1	Special marking format for equipment intended for use on a supply system with an earthed neutral and more than one phase conductor.		N/A
1.7.1	Equipment voltage rating not higher than rating of the plug except under special conditions.		N/A
1.7.6	Special fuse replacement marking for operator accessible fuses.		N/A
1.7.7	Identification of terminal connection of the equipment earthing conductor.		N/A
1.7.7	Connectors and field wiring terminals for external Class 2 or Class 3 circuits provided with marking indicating minimum Class of wiring to be used.		N/A
1.7.7	Marking located adjacent to terminals and visible during wiring.		N/A
2.1.1	Screw shell of Edison-base lampholder tied to the neutral conductor.		N/A
2.1.1.1	Bare TNV conductive parts in the interior of equipment normally protected against contact by a cover intended for occasional removal are exempt provided instructions include directions for disconnection of TNV prior to removal of the cover.		N/A
2.3.1.b	Other telecommunication signaling systems (e.g., message waiting) than described in 2.3.1(b) are subject to M.4.		N/A
2.3.1.b	For TNV-2 and TNV-3 circuits with other than ringing signals and with voltages exceeding 42.4 Vp or 60 V d.c., the maximum current limit through a 2000 Ohm or greater resistor with loads disconnected is 7.1 mA peak or 30 mA d.c. under normal conditions.		N/A
2.3.1.b	Limits for measurements across 5000 ohm resistor in the event of a single fault are replaced after 200 ms with the limits of M.3.1.4.		N/A
2.3.2	Enamel coating on signal transformer winding wire allowed as an alternative to Basic insulation in specific telecommunication applications when subjected to special construction requirements and routine testing.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
2.3.2	In the event of a single fault, the limits of 2.2.3 apply to SELV circuits and accessible conductive parts.		N/A
2.5	Overcurrent protection device required for Class 2 and Class 3 limiting in accordance with the NEC, or for a Limited Power Source, not interchangeable with devices of higher ratings if operator replaceable.		N/A
2.6	Equipment having receptacles for output a.c. power connectors generated from an internal separately derived source have the earthed (grounded) circuit conductor suitably bonded to earth.		N/A
2.6.3.3	For Pluggable Equipment Type A, if neither a) or b) are applicable, the current rating of the circuit is taken as 20 A.		N/A
2.6.3.4	Capacity of connection between earthing terminal and parts required to be earthed subject to special conditions based on the current rating of the circuit.		Pass
2.6.3.4	Protective bonding conductors and their terminals of non-standard constructions (e.g. PWB traces) evaluated to limited short-circuit test of CSA C22.2 No.0.4.		N/A
2.6.4.1	Field wiring terminals for earthing conductors suitable for wire sizes (gauge) used in US and Canada.		N/A
2.7.1	Data for selection of special external branch circuit overcurrent devices marked on the equipment.		N/A
2.7.1	Standard supply outlets protected by overcurrent device in accordance with the NEC, and CEC, Part 1.		N/A
2.7.1	Overcurrent protection for individual transformers that distribute power to other units over branch circuit wiring.		N/A
2.7.1	Additional requirements for overcurrent protection apply to equipment provided with panelboards.		N/A
2.7.1	Non-motor-operated equipment requiring special overcurrent protective device marked with device rating.		N/A
2.10.5.4	Multi-layer winding wire subject to UL component wire requirements in addition to 2.10.5.4 and Annex U.	Wire is UL R/C OBJS2. See Annex U for further details.	Pass
3.1.1	Permissible combinations of internal wiring/external		Pass

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	cable sizes for overcurrent and short circuit protection.		
3.1.1	All interconnecting cables protected against overcurrent and short circuit.		N/A
3.2	Wiring methods permit connection of equipment to primary power supply in accordance with the NEC and CEC, Part 1.	Unit is intended for building-in; to be determined in the end product.	N/A
3.2.1	Permitted use for flexible cords and plugs.		N/A
3.2.1	Flexible cords provided with attachment plug rated 125% of equipment current rating.		N/A
3.2.1	Any Class II equipment provided with 15 or 20 A standard supply outlets, Edison-base lampholders or single pole disconnect device provided with a polarized type attachment plug.		N/A
3.2.1.2	Equipment intended for connection to DC mains supply power systems complies with special wiring requirements (e.g., no permanent connection to supply by flexible cord).		N/A
3.2.1.2	Equipment with one pole of the DC mains supply connected to both the equipment mains input terminal and the main protective earthing terminal provided with special instructions and construction provisions for earthing		N/A
3.2.1.2	Equipment with means for connecting supply to earthing electrode conductor has no switches or protective devices between supply connection and earthing electrode connection.		N/A
3.2.1.2	Special markings and instructions for equipment with provisions to connect earthed conductor of a DC supply circuit to earthing conductor at the equipment.		N/A
3.2.1.2	Special markings and instructions for equipment with earthed conductor of a DC supply circuit connected to the earthing conductor at the equipment.		N/A
3.2.1.2	Terminals and leads provided for permanent connection of DC powered equipment to supply marked to indicate polarity if reverse polarity may result in a hazard.		N/A
3.2.3	Permanently connected equipment has provision for connecting and securing a field wiring system (i.e. conduit, or leads etc.) per the NEC and CEC.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	Part 1.		
3.2.3	Permanently connected equipment may have terminals or leads not smaller than No. 18 AWG (0.82 mm²) and not less than 152 mm in length for connection of field installed wiring.		N/A
3.2.3	If supply wires exceed 60 °C, marking indicates use of 75 °C or 90 °C wiring for supply connection as appropriate.		N/A
3.2.3	Equipment compatible with suitable trade sizes of conduits and cables.		N/A
3.2.5	Length of power supply cord limited to between 1.5 and 4.5 m unless shorter length used when intended for a special installation.		N/A
3.2.5	Conductors in power supply cords sized according to NEC and CEC, Part I.		N/A
3.2.5	Power supply cords and cord sets incorporate flexible cords suitable for the particular application.		N/A
3.2.6	Strain relief provided for non-detachable interconnecting cables not supplied by a limited power source.		N/A
3.2.9	Adequate wire bending space and volume of field wiring compartment required to properly make the field connections.		N/A
3.2.9	Equipment intended solely for installation in Restricted Access Locations using low voltage d.c. systems may not need provision for connecting and securing a field wiring system. A method of securing wiring or instructions provided to ensure the wiring is protected from abuse.		N/A
3.3	Field wiring terminals provided for interconnection of units for other then LPS or Class 2 circuits also comply with 3.3.		N/A
3.3	Interconnection of units by LPS or Class 2 conductors may have field wiring connectors other than those specified in 3.3 if wiring is reliably separated.		N/A
3.3.1	Terminals for the connection of neutral conductor identified by a distinctive white marking or other equally effective means.	Neutral terminal marked with a large letter "N".	Pass
3.3.3	Wire binding screw terminal permitted for connection of No. 10 AWG (5.3 mm²) or smaller conductor if provided with upturned lugs, cupped		Pass

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	washer or equivalent retention.		
3.3.4	Terminals accept wire sizes (gauge) used in the U.S. and Canada.		Pass
3.3.4	Terminals accept current-carrying conductors rated 125% of the equipment current rating.		Pass
3.3.6	Field wiring terminals marked to indicate the material(s) of the conductor appropriate for the terminals used.		N/A
3.3.6	Connection of an aluminum conductor not permitted to terminal for equipment earthing conductor.		Pass
3.3.6	Field wiring connections made through the use of suitable pressure connectors (including set screw type), solder lugs or splices to flexible leads.		N/A
3.4.2	Separate motor control device(s) required for cord-connected equipment rated more than 12 A, or with motor rated more than 1/3 hp or more than 120 V.		N/A
3.4.8	Vertically mounted disconnect devices oriented so up position of handle is "on".		N/A
3.4.11	For computer-room applications, equipment with battery systems capable of supplying 750 VA for 5 min require battery disconnect means.		N/A
4.2.8.1	Special opening restrictions for enclosures around CRTs with face dimension of 160 mm or more.		N/A
4.2.9	Compartment housing high-pressure lamp marked to indicate risk of explosion.		N/A
4.3.2	Loading test for equipment with handle(s) used to support more than 9 kg tested at four times the weight of the unit.		N/A
4.3.6	In addition to the IEC requirements, Direct Plug-in Equipment complies with UL 1310 or CSA 223 mechanical assembly requirements.		N/A
4.3.12	The maximum quantity of flammable liquid stored in equipment complies with ANSI/NFPA 30(Table NAE.6).		N/A
4.3.12	Equipment using replenishable liquids marked to indicate type of liquid to be used.		N/A
4.3.13.2	Equipment that produces x-radiation and does not comply with 4.3.12 under all conditions of servicing marked to indicate the presence of radiation where readily visible.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
4.3.13.5	Requirements contained in the applicable national codes and regulations apply to lasers (21 CFR 1040 and REDR C1370).		N/A
4.7	Automated information storage equipment intended to contain more than 0.76 m³ of combustible media requires provision for automatic sprinklers or a gaseous agent extinguishing system.		N/A
4.7.3.1	Equipment for use in environmental air space other than ducts or plenums provided with metal enclosure or with non-metallic enclosure having adequate fire-resistance and low smoke producing characteristics. Low smoke-producing characteristics evaluated according to UL 2043. Equipment for installation in space used for environmental air as described in Sec. 300-22(c) of the NEC provided with instructions indicating suitability for installation in such locations.		N/A
4.7.3.1	Flame spread rating for external surface of combustible material with exposed area greater than 0.93 m² or a single dimension greater than 1.8 m; 50 or less for computer room applications or 200 or less for other applications.		N/A
4.7.3.4	Wire marked "VW-1" or "FT-1" considered equivalent.		N/A
5.1.8.2	Special earthing provisions and instructions for equipment with high touch current due to telecommunication network connections.		N/A
5.1.8.3	Touch current due to ringing voltage for equipment containing telecommunication network leads.		N/A
5.3.6	Overloading of SELV connectors and printed wiring board receptacles accessible to the operator.		N/A
5.3.6	Tests interrupted by opening of a component repeated two additional times.		Pass
5.3.8.1	Test interrupted by opening of wire or trace subject to certain conditions.		N/A
6	Specialized instructions provided for telephones that may be connected to a telecommunications network.		N/A
6	Marking identifying function of telecommunication type connectors not used for connection to a telecommunication network.		N/A
6.2.1	Special requirements for enameled wiring used as electrical separation provided between parts		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
	connected to telecommunication network and telecommunication circuitry intentionally isolated from network.		
6.2.1	Digital line termination equipment (e.g., NCTE) subject to separation requirements.		N/A
6.3	Equipment remotely powered over telecommunication wiring systems provided with specialized markings adjacent to the connection.		N/A
6.3	Overcurrent protection incorporated into equipment to provide power over telecommunication wiring system not interchangeable with devices of higher ratings if operator replaceable.		N/A
6.4	Additional requirements for equipment intended for connection to a telecommunication network using cable subject to overvoltage from power line failures (Fig. 6C).		N/A
6.4	Where 26 AWG line cord required by Fig. 6C, either the cord is provided with the equipment or described in the safety instructions.		N/A
6.5	Acoustic pressure from an ear piece less than 136 dBA for short duration disturbances, and less than 125 dBA for handsets, 118 dBA for headsets, and 121 dBA for insert earphones, for long duration disturbances.		N/A
7	Equipment associated with the cable distribution system may need to be subjected to applicable parts of Chapter 8 of the NEC.		N/A
H	Ionizing radiation measurements made under single fault conditions in accordance with the requirements of the Code of Federal Regulations 21 CFR 1020 and the Canadian Radiation Emitting Devices Act, REDR C1370.		N/A
M.2	Continuous ringing signals evaluated to Method A subjected to special accessibility considerations.		N/A
M.4	Special requirements for message waiting and similar telecommunications signals.		N/A
NAC	Equipment intended for use with a generic secondary protector marked with suitable instructions.		N/A
NAC	Equipment intended for use with a specific primary or secondary protector marked with suitable instructions.		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict
NAF	Household/Home Office Document Shredders		N/A
NAF.1.7	Markings and instructions alert the user to key safety considerations related to use of shredders, including not intended to be used by children, avoid touching document feed opening, avoid clothes and hair entanglement, and avoid aerosol products.		N/A
NAF.2.8.3	Safety interlock cannot be inadvertently activated by the articulated accessibility probe (figure NAF.1).		N/A
NAF.3.4	Provided with an isolating switch complying with 3.4.2, including 3 mm contact gap, with appropriate markings associated with the switch.		N/A
NAF.4.4	Hazardous moving parts are not accessible to the user, as determined using the articulated accessibility probe (figure NAF.1) and the accessibility probe/wedge (figures NAF.2/NAF.3).		N/A

IEC 60950-1			
SubClause	Difference + Test	Result - Remark	Verdict

United Kingdom - Differences to IEC 60950-1:2001, First Edition			
2.6.3.3	The current rating of the circuit shall be taken as 13 A, not 16 A.		N/A
2.7.1	To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment, protective device shall be included as integral parts of the direct plug-in equipment.		N/A
3.2.1.1	Apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord and plug, shall be fitted with a "standard plug" in accordance with Statutory Instrument 1786: 1994 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by those regulations. NOTE: "Standard plug" is defined in SI 1786: 1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.		N/A
3.2.5.1	A power supply cord with conductor of 1.25 mm² is allowed for equipment with a rated current over 10A and up to and including 13A.		N/A
3.3.4	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current of over 10 A up to and including 13 A is 1.25 mm² to 1.5 mm² nominal cross-sectional area.		N/A
4.3.6	The torque test is performed using a socket outlet complying with BS 1363 and the plug part of Direct Plug-In Equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.16 and 12.17, except that the test of 12.17 is performed at not less than 125 °C.		N/A

Enclosure

Marking Plate

Supplement Id	Description
13-01	Marking Plates for GT-9200P Series - represents all models in family
13-02	Marking Plates for GTM9200P Series - represents all models in family

MarkingPlate ID 13-01

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REVISION			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10-06-2005	HM

GlobTek, Inc.
ITE POWER SUPPLY
MODEL: GT-9200P1323.3-S
INPUT: 100 -240 VAC, 50-60 Hz, 2.5A
OUTPUT: 3.3VDC, 40.0A
E170507
IEC 60950
MADE IN XXXX

GlobTek, Inc.
ITE POWER SUPPLY
MODEL: GT-9200P2313.3-S
INPUT: 100 -240 VAC, 50-60 Hz, 4A
OUTPUT: 3.3VDC, 70.0A
E170507
IEC 60950
MADE IN XXXX

GlobTek, Inc.
ITE POWER SUPPLY
MODEL: GT-9200P20012-S
INPUT: 100 -240 VAC, 50-60 Hz, 3.2A
OUTPUT: 12VDC, 16.67A
E170507
IEC 60950
MADE IN XXXX

GlobTek, Inc.
ITE POWER SUPPLY
MODEL: GT-9200P20048-S
INPUT: 100 -240 VAC, 50-60 Hz, 3.2A
OUTPUT: 48VDC, 4.17A
E170507
IEC 60950
MADE IN XXXX

GlobTek, Inc.
ITE POWER SUPPLY
MODEL: GT-9200P35005-S
INPUT: 100 -240 VAC, 50-60 Hz, 5A
OUTPUT: 5VDC, 70.0A
E170507
IEC 60950
MADE IN XXXX

GlobTek, Inc.
ITE POWER SUPPLY
MODEL: GT-9200P3507.5-S
INPUT: 100 -240 VAC, 50-60 Hz, 5A
OUTPUT: 7.5VDC, 46.67A
E170507
IEC 60950
MADE IN XXXX

DASH NO.	PART NO	REV.	DESCRIPTION	NOTES

TABULATION BLOCK

REVISION	A	A	TOLERANCES: DECIMALS .xx +/- 0.1 .xxx +/- .005 ANGULAR +/- 1°	GlobTek, Inc. www.globtek.com 186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111
SHEET	1	2	MILLIMETERS .xx +/- 0.3 .xxx +/- .013 ANGULAR +/- 1°	
INIT.BY:	DATE:			DWG TITLE: (60 CHAR. MAX)
DRAWN:	DATE:		FSCN No.: / SIZE A	MODEL NO: GT-9200P Series / REV. A
APRVD BY:	DATE:		SCALE:	PART NO: GT-9200P Labels / SHEET 1 OF 2

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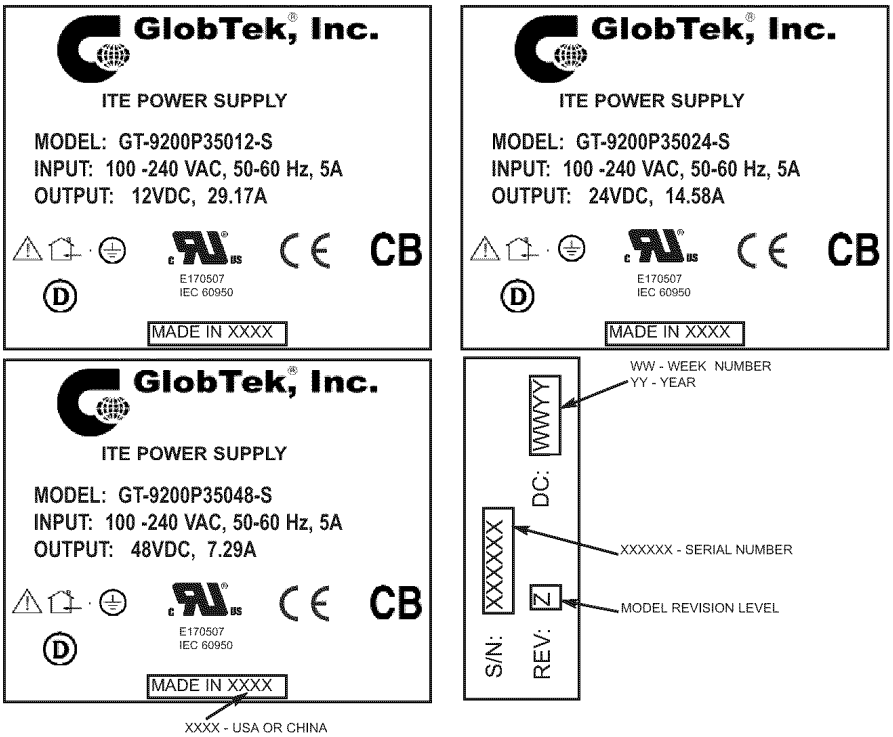

DASH NO.	PART NO	REV.	DESCRIPTION	NOTES

TABULATION BLOCK

REVISION	A	A	TOLERANCES: DECIMALS .xx +/- 0.1 .xxx +/- .005 ANGULAR +/- 1°	GlobTek, Inc. www.globtek.com 186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111
SHEET	1	2	MILLIMETERS .xx +/- 0.3 .xxx +/- .013 ANGULAR +/- 1°	
INIT.BY:	DATE:			DWG TITLE: (60 CHAR. MAX)
DRAWN:	DATE:	FSCN No.:	SIZE A	MODEL NO: GT-9200P Series — REV. A
APRVD BY:	DATE:	SCALE:		PART NO: GT-9200P Labels — SHEET 2 OF 2

MarkingPlate ID 13-02

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REVISION			
REV	DESCRIPTION	DATE	APPROVED
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GlobTek, Inc.
ITE/MEDICAL POWER SUPPLY
MODEL: GTM9200P1323.3-S
INPUT: 100 -240 VAC, 50-60 Hz, 2.5A
OUTPUT: 3.3VDC, 40.0A
E170507 IEC 60950 E172861 IEC 60601
MADE IN XXXX

GlobTek, Inc.
ITE/MEDICAL POWER SUPPLY
MODEL: GTM9200P2313.3-S
INPUT: 100 -240 VAC, 50-60 Hz, 4A
OUTPUT: 3.3VDC, 70.0A
E170507 IEC 606950 E172861 IEC 60601
MADE IN XXXX

GlobTek, Inc.
ITE/MEDICAL POWER SUPPLY
MODEL: GTM9200P20012-S
INPUT: 100 -240 VAC, 50-60 Hz, 3.2A
OUTPUT: 12VDC, 16.67A
E170705 IEC 60950 E172861 IEC 60601
MADE IN XXXX

GlobTek, Inc.
ITE/MEDICAL POWER SUPPLY
MODEL: GTM9200P20048-S
INPUT: 100 -240 VAC, 50-60 Hz, 3.2A
OUTPUT: 48VDC, 4.17A
E170507 IEC 60950 E172861 IEC 60601
MADE IN XXXX

GlobTek, Inc.
ITE/MEDICAL POWER SUPPLY
MODEL: GTM9200P35005-S
INPUT: 100 -240 VAC, 50-60 Hz, 5A
OUTPUT: 5VDC, 70.0A
E170507 IEC 60950 E172861 IEC 60601
MADE IN XXXX

GlobTek, Inc.
ITE/MEDICAL POWER SUPPLY
MODEL: GTM9200P3507.5-S
INPUT: 100 -240 VAC, 50-60 Hz, 5A
OUTPUT: 7.5VDC, 46.67A
E170507 IEC 60950 E172861 IEC 60601
MADE IN XXXX

DASH NO.	PART NO	REV.	DESCRIPTION	NOTES
TABULATION BLOCK				

REVISION	A	A	TOLERANCES: DECIMALS .xx +/- 0.1 .xxx +/- .005 ANGULAR +/- 1°	GlobTek, Inc. www.globtek.com 186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111
SHEET	1	2	MILLIMETERS .xx +/- 0.3 .xxx +/- .013 ANGULAR +/- 1°	
INIT.BY:	DATE:			DWG TITLE: (60 CHAR. MAX)
DRAWN:	DATE:	FSCN No.:	SIZE A	MODEL NO: GTM9200P Series — REV. A
APRVD BY:	DATE:	SCALE:		PART NO: GTM9200P Labels — SHEET 1 OF 2

MarkingPlate ID 13-02

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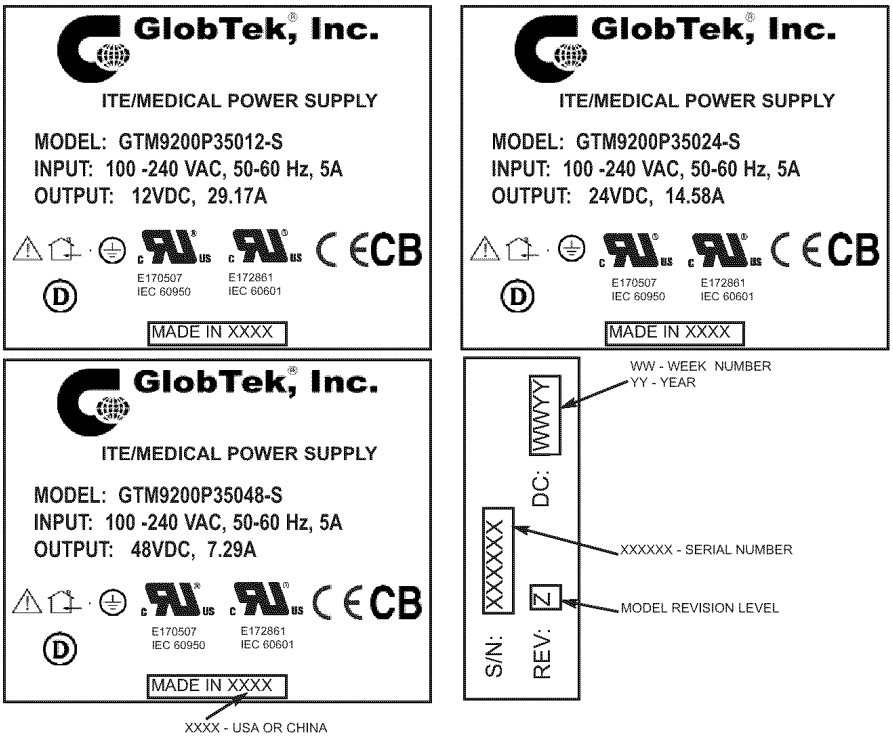
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10-06-2005	HM



DASH NO.	PART NO	REV.	DESCRIPTION	NOTES
			TABULATION BLOCK	

REVISION	A	A	TOLERANCES: DECIMALS .xx +/- 0.1 .xxx +/- .005 ANGULAR +/- 1°	GlobTek, Inc. www.globtek.com 186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111
SHEET	1	2	MILLIMETERS .xx +/- 0.3 .xxx +/- .013 ANGULAR +/- 1°	
INIT.BY:	DATE:			DWG TITLE: (60 CHAR. MAX)
DRAWN:	DATE:		FSCN No.: / SIZE A	MODEL NO: GTM9200P Series / REV. A
APRVD BY:	DATE:		SCALE:	PART NO: GTM9200P Labels / SHEET 2 OF 2

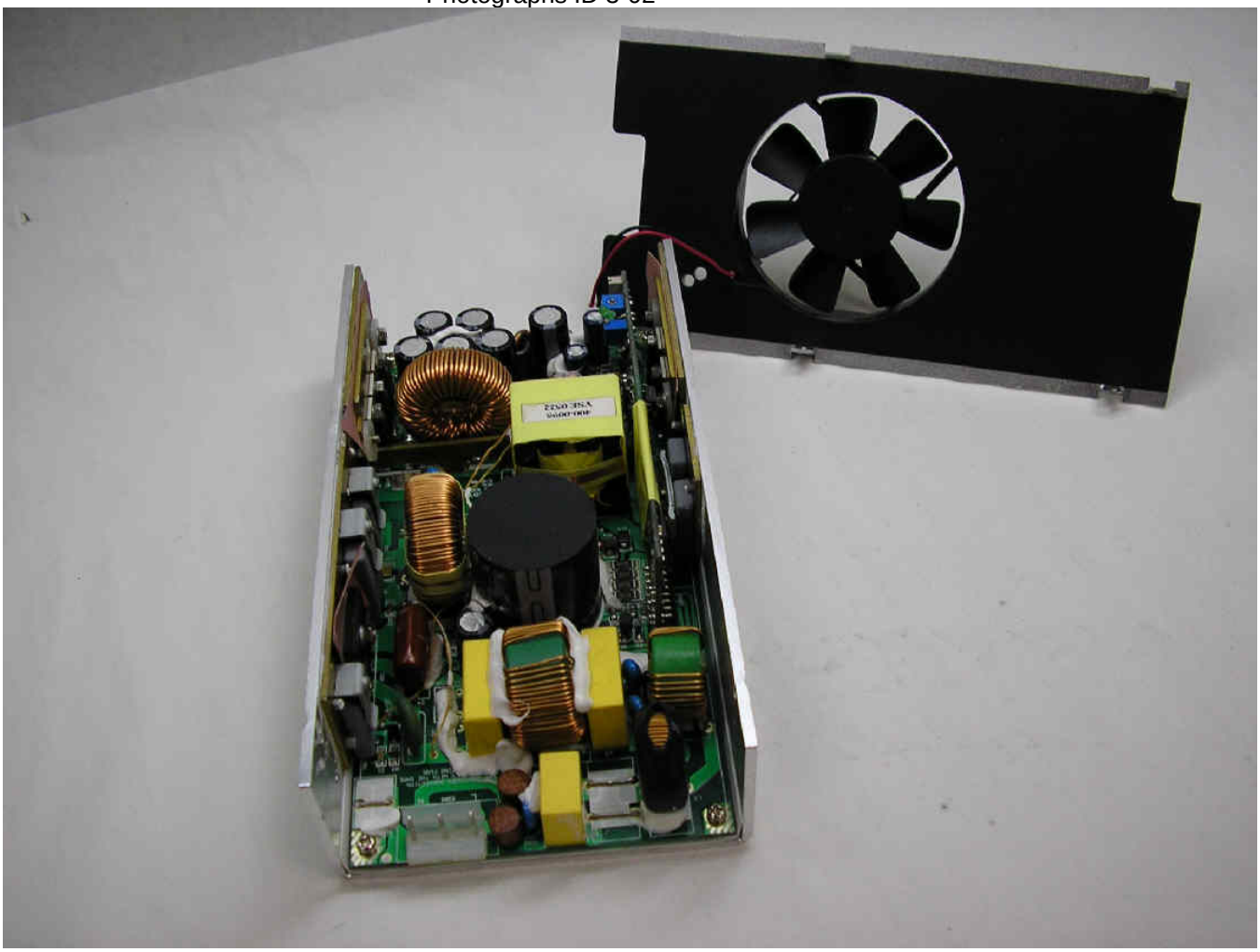
Enclosure

Photographs

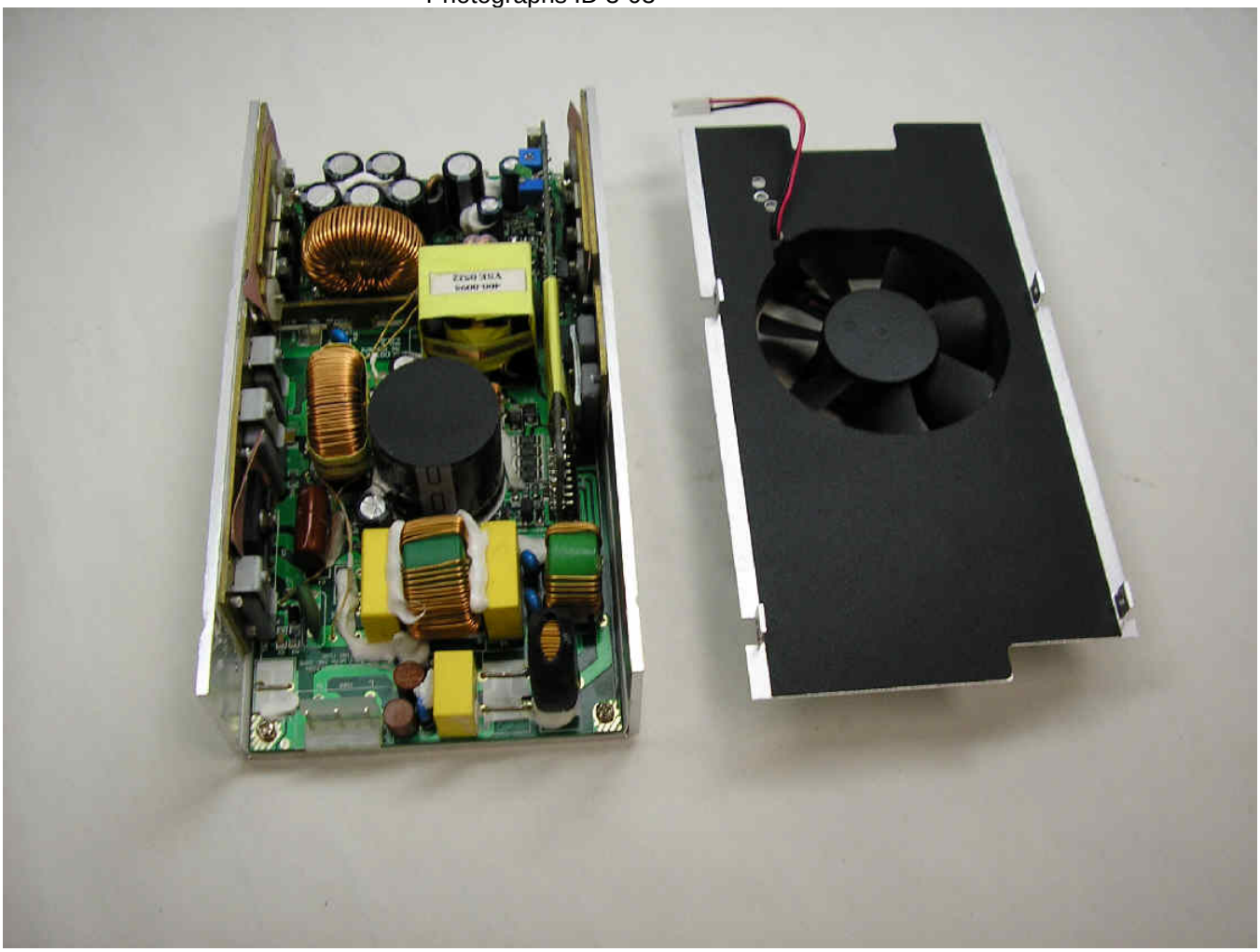
Supplement Id	Description
3-01	Overall View
3-02	Top View (Cover Opened)
3-03	Inside View of Fan
3-04	Component View
3-05	Input Side View

Photographs ID 3-01

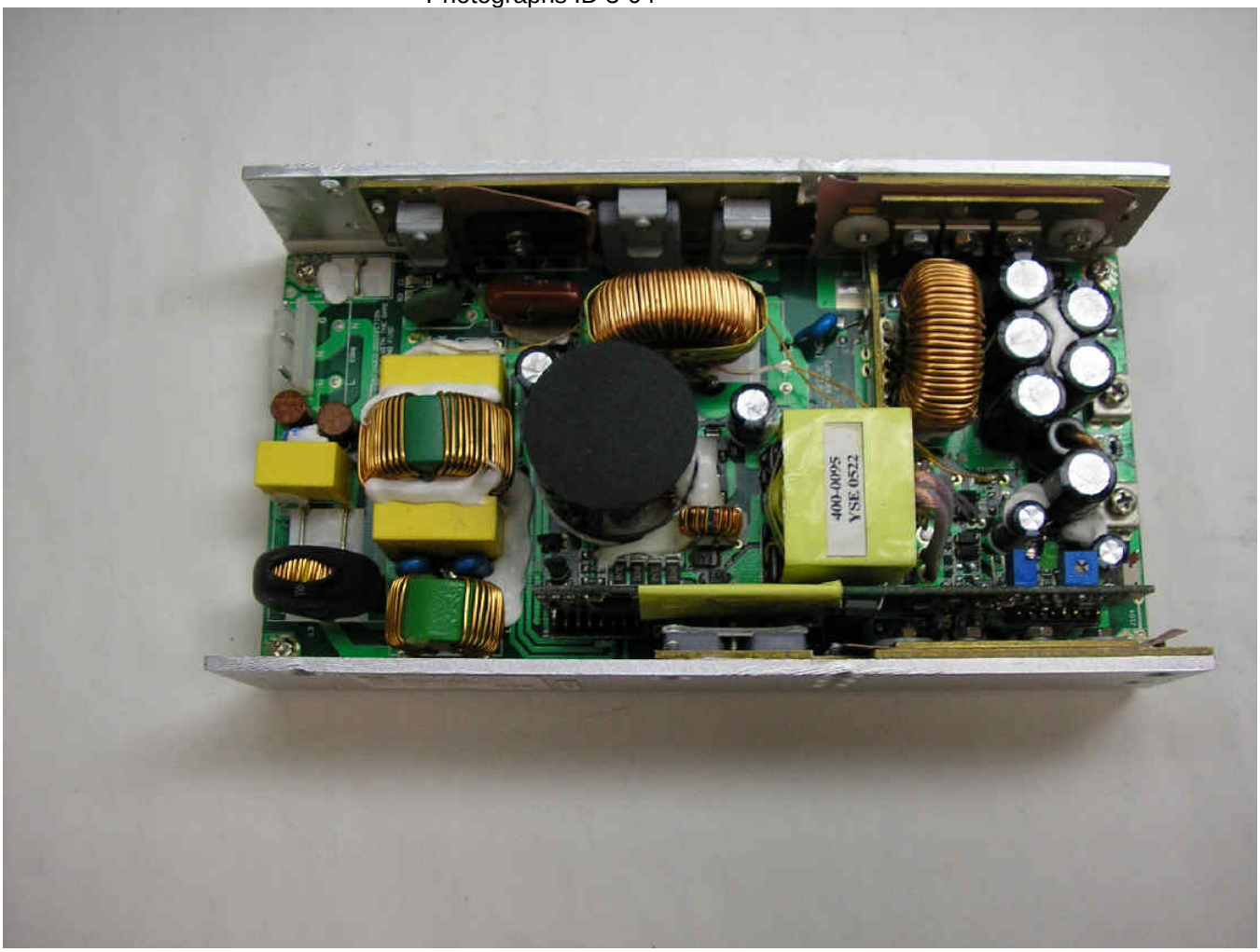
Photographs ID 3-02



Photographs ID 3-03



Photographs ID 3-04



Photographs ID 3-05