

Safety Test Report

Report No.:AGC04094190104ES01

4.000 mAh wireless charging powerbank PRODUCT DESIGNATION

N/A **BRAND NAME**

MODEL NAME P324.87

CLIENT Xindao B.V.

DATE OF ISSUE Jan. 23, 2019

STANDARD(S) EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

REPORT VERSION

Attestation of Global Compliance (Shenzhen) Co., Ltd.

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TEST REPORT

EN 60950-1

Information technology equipment-Safety-Part 1: General requirements

Report Reference No. AGC04094190104ES01

Tested by(+ signature)...... Alabert Liang

Reviewed by (+ signature) Byron Wang

Matte He

Approved by (+signature)......(Authorized Officer)

Date of issue Jan. 23, 2019

Contents Total 53 pages

Testing laboratory

Name Attestation of Global Compliance (Shenzhen) Co., Ltd.

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Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China

Byron Way
mette He

Testing location Same as above.

Applicant

Name: Xindao B.V.

Address P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

Manufacturer

Name: Xindao B.V.

Address P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

Factory

Name Xindao B.V.

Test specification

Standard..... EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Test procedure Type test

Procedure deviation N/A

Non-standard test method N/A

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Test Report Form/blank test report	The state of the s
Test Report Form No	AGC60950A9
Test Report Form(s) Originator:	AGC
Master TRF	Dated 2018-09
Test item	
Product designation	4.000 mAh wireless charging powerbank
Brandname	N/A State Color O State Color
Test model	P324.87
Series model:	N/A
Rating(s)	Input: DC 5V, 2A
T. Comming	USB output: DC 5V, 2.1A
a figure and color	Wireless output: 5W
Test item particulars	
Equipment mobility	. ☐movable ☒ hand-held ☐transportable ☐stationary ☐for building-in ☐direct plug-in
Connection to the mains	. □pluggable equipment □ type A □type B
A Transfer O Marie	permanent connection
® Martin of Gold	detachable power supply cord
	□non-detachable power supply cord □not directly connected to the mains
Operating condition	The state of the s
The Management of the Comment	☐rated operating/ resting time:
Access location	. Operator accessible
Over valters acta rem/(O)(C)	□restricted access location
Over voltage category(OVC)	
Mains supply tolerance(%) or absolute supplyvalues	
Tested for IT power systems	□Yes ⊠No
IT testing, phase-phase voltage(V)	
Class of Equipment	. □Class I □Class II □Class III □not classified
Considered current rating of protective of the building installation (A)	
Pollution degree(PD)	□PD 1 □PD3
Protection against ingress of water	IPX0
Altitude during operation (m)	2000m
Altitude of test laboratory (m)	<500m
Mass of equipment (kg)	<1 Kg

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Test case verdicts

Test case does not apply to the test object...... N (/A)

Test item does meet the requirement..... P (ass)

Test item does not meet the requirement F (ail)

Testing

Date of receipt of test item Jan. 10, 2019

Attachment

Attachment A Photos of product

General remarks

This report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

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

Report Revise Re	cord:	18 TH	Ch Parintance ®	auton of Ciobba ®
Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	Altestation	Jan. 23, 2019	Valid	Initial release

General product information

The product is a portable charger for mobile or similar information technology equipment, its supplied by internal rechargeable 3.7V Li-ion battery, and the battery can be charged by DC 5V of USB port. Therefore its circuit considered as SELV of class III.

The product has one USB output and one wireless charging output.

Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

The product was submitted and tested for use at the manufacturer's recommended ambient temperature (Tma) of 40 °C.

Summary of testing

The test item passed.

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Copy of marking plates

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

Model: P324.87

Input: 5V === 2A

Wireless output: 5W

USB output: 5V === 2.1A

 ϵ



Xindao B.V.

P.O. Box 3082, 2280 GB, Rijswijk,

The Netherlands

Made In Netherlands

Remark

1) The CE marking and WEEE symbol (if any) should be at least 5mm and 7mm respectively in height.

2) The markings and instructions are the minimum requirements required by safety standard. For final production samples, the additional markings which do not give rise to misunderstanding may be added.

- 3) As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name ormark and the postal address will be marked on the productsbefore being place on the market.
- 4) Marking on the packaging or in a document accompanying the electrical equipment is only acceptable ifit is not possible to place such markings on the product.

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
F Miles	We will be the state of the sta	- CO - CO - C	30		
1 4	GENERAL		P		
Allestall			The Kell Compile		
1.5	Components	、是一····································	P		
1.5.1	General	Control of the second of the s	Р		
	Comply with IEC 60950 or relevant component standard	Components which were found to affect safety aspects comply with the requirements of this standard or with the safety aspects of the relevant IEC/EN component standards. (see appended table 1.5.1)	P		
1.5.2	Evaluation and testing of components	Components which are certified to IEC/EN and/or national standards are used correctly within their ratings. Components not covered by IEC/EN standards are tested under the conditions present in the equipment.	P		
1.5.3	Thermal controls	No any thermal controls.	N		
1.5.4	Transformers	No transformers.	N		
1.5.5	Interconnecting cables	Not provided	N		
1.5.6	Capacitors bridginginsulation	No such capacitor.	N		
1.5.7	Resistors bridging insulation	五型 。	P		
1.5.7.1	Resistors bridging functional, basic or supplementary insulation	Functional only	P		
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	D. BO.	N		
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains antenna or coaxial cable	K Marine	N N		
1.5.8	Components in equipment for IT power systems	Service Co	N		
1.5.9	Surge suppressors	No such parts.	N		
1.5.9.1	General	10000000000000000000000000000000000000	N		
1.5.9.2	Protection of VDRs	The state of the s	N		
1.5.9.3	Bridging of functional insulation by a VDR	-6	N		
1.5.9.4	Bridging of basic insulation by a VDR	1 10	N		
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	玉龙	S. Janes N		

1.6	Power interface	® Attestation of Attestation of States	100	Р
1.6.1	AC power distribution systems		No direct mains connection.	N

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
1.6.2	Input current	(See appended table 1.6.2)	Р	
1.6.3	Voltage limit of hand-held equipment	Class III equipment, SELV ciruit only	Р 👊	
1.6.4	Neutral conductor	Class III equipment, no neutral conductor.	N N Manualand	

1.7 The comment	Marking and instructions	CC "	P
1.7.1	Power rating	See below	Р
\ G	Rated voltage(s) or voltage range(s) (V)	5V 15 15 15 15 15 15 15 15 15 15 15 15 15	
	Symbol for nature of supply, for d.c. only	See marking plate	
® ##	Rated frequency or rated frequency range (Hz):	DC supply	
C Alles	Rated current (mA or A)	2A	
1.7.1.2	Identification markings	The Condition of The Colonic	Р
- <u>Mil</u>	Manufacturer's name or trademark or identification mark	Xindao B.V.	
omplian.	Type/model or type reference	P324.87	
4.C	Symbol for Class II equipment only	Class III equipment	
O	Other marking and symbols	See marking plate.	
1.7.1.3	Use of graphical symbols	- GO (GO	Р
1.7.2	Safety instructionsand marking	Provided.	Р
1.7.2.1	General	See below.	P
1.7.2.2	Disconnect devices	No such devices	N
1.7.2.3	Overcurrent protective device	- 3	N
1.7.2.4	IT power distribution systems		N
1.7.2.5	Operator access with a tool	1111	No mon
1.7.2.6	Ozone	Kall Comment	N
1.7.3	Short duty cycles	Equipmentis designed for continuous operation.	N
1.7.4	Supply voltage adjustment	No such devices used	N
	Methods and means of adjustment; reference to installation instructions:	Same of the state	N. Salar
1.7.5	Power outlets on the equipment	1 20	N
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference)	· · · · · · · · · · · · · · · · · · ·	N Implants
1.7.7	Wiring terminals	So the state of th	N
1.7.7.1	Protective earthing and bonding terminals:	Class III equipment, no protective earthing	N

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
1.7.7.2	Terminal for a.c. mains supply conductors	No mains connection	N		
1.7.7.3	Terminals for d.c. mains supply conductors		N 🛁		
1.7.8	Controls and indicators	No safety relevant	N N		
1.7.8.1	Identification, location and marking	Barrer T. Comment Co.	on of Gira		
1.7.8.2	Colours	(S) Sittle and (S)	N		
1.7.8.3	Symbols according to IEC 60417	GO	N		
1.7.8.4	Markings using figures	Not applicable.	N /		
1.7.9	Isolation of multiple power sources	No direct connection to mainssupply	N estatio		
1.7.10	Thermostats and other regulating devices	No thermostats or other regulating devices used inside battery pack are not adjustable during normal use.	N		
1.7.11	Durability	The marking withstands required tests.	mpliance P		
1.7.12	Removable parts	No such parts.	N		
1.7.13	Replaceable batteries	Not replaceable	N		
® %	Language(s)				
1.7.14	Equipment for restricted access locations:	The state of the s	₹ N		

2	PROTECTION FROM HAZARDS		Р
2.1	Protection from electric shock and energy hazards	No hazardous parts in operatoraccess areas.	Р
2.1.1	Protection in operator access areas	S SE guillor of Company	P
2.1.1.1	Access to energized parts	No energized parts.	Р
® ##	Test by inspection		
	Test with test finger(Figure 2A)		
	Test with test pin (Figure 2B)	A Committee The State Committee Committee	
- 700	Test with test probe (Figure 2C)	C American	
2.1.1.2	Battery compartments	CO E	N
2.1.1.3	Access to ELV wiring	No ELV wiring	N 4
	Working voltage (Vpeak or Vrms); minimum distance (mm) through insulation	O Manufacture Common Co	
2.1.1.4	Access to hazardous voltage circuit wiring	, Go	N
2.1.1.5	Energy hazards	See appended table 2.1.1.5	P
2.1.1.6	Manual controls	A Thomas Committee of the original of the orig	N
2.1.1.7	Discharge of capacitors in equipment	No primary circuit.	N
E milance	Time-constant (s); measured voltage (V)	100	

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
2.1.1.8	Energy hazards – d.c. mains supply	Not directly connect to mains supply	N	
Court	a)Capacitor connected to the d.c. mains supply:		N -	
-,C	b)Internal battery connected to the d.c. mains supply:		N mplan	
2.1.1.9	Audio amplifiers	No any amplifiers	N	
2.1.2	Protection in service access areas	60 ***	N	
2.1.3	Protection in restricted access locations		N	

2.2	SELV circuits	S A Jard College S A A A C	P
2.2.1	General requirements	42.4V peak or 60VDC are not exceeded in SELV circuit under normal operation or single fault condition.	P
2.2.2	Voltages under normal conditions (V)	Within SELV limits.	Р
2.2.3	Voltages under fault conditions (V)	Within SELV limits.	Р
2.2.4	Connection of SELV circuits to other circuits:		N

2.3	TNV circuits		N
2.3.1	Limits Statement	No TNV circuit	N
Estation of Global	Type of TNV circuits		M N
2.3.2	Separation from other circuits and from accessible parts	The state of the s	N
2.3.2.1	General requirements	The state of the s	N
2.3.2.2	Protection by basic insulation		N and
2.3.2.3	Protection by earthing	111	IN N
2.3.2.4	Protection by other constructions	K. Company	Manage N
2.3.3	Separation from hazardous voltages	C American	N
bal Compliance	Insulation employed	CO E	N
2.3.4	Connection of TNV circuits to other circuits	10000000000000000000000000000000000000	N #
	Insulation employed	The Committee of the Co	N
2.3.5	Test for operating voltages generated externally	A A A A A A A A A A A A A A A A A A A	N

2.4	Limited current circuits		р
2.4.1	General requirements	No limited current circuits to be evaluated.	N
2.4.2	Limit values	CC - CO	N
Combine	Frequency (Hz)		N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
F 711	Measured current (mA)	GO " GO "	N
Comp	Measured voltage (V)		N sal
Alleste	Measured capacitance (nF or μF)	liji – lim	N N
2.4.3	Connection of limited current circuits to other circuits	MacCompanies & Marian State of Companies CO	N

2.5	Limited power sources	liji jili	Р
	a)Inherently limited output	The Bandard The Target Company	® N _{illestation}
	b)Impedance limited output	Marian de Color (S) Antique de	N
8 4	c)Regulating network limited output under normal operating and single fault condition	F.G.O.	P
0	d)Overcurrent protective device limited output	The Marine	N
:All	Max. output voltage (V), max. output current (A), max. apparent power (VA)	See appended table 2.5	
ompliance	Current rating of overcurrent protective device (A)	0 10	N .
8	Use of integrated circuit (IC) current limited	E illino	₹N 🏰

2.6	Provisions for earthing and bonding	and distinct Control of Control	N
2.6.1	Protective earthing	Class III equipment.	N
2.6.2	Functional earthing	訓	N
	Use of symbol for functional earthing	The Tompland S SE Trad Colon Co.	N
2.6.3	Protective earthing and protective bonding conductors	GC M	3 N
2.6.3.1	General		N
2.6.3.2	Size of protective earthing conductors		N
:300	Rated current (A), cross-sectional area (mm2), AWG	and come Co Manager CO Add	N
2.6.3.3	Size of protective bonding conductors	CO	N
N.C	Rated current (A), cross-sectional area (mm2), AWG	天 港 测	N 3
2.6.3.4	Resistance of earthing conductors and their terminations, resistance(Ω), voltage drop(V),test current (A), duration(min)	CC PC	N
2.6.3.5	Colour of insulation	拉那 环	ampliance N
2.6.4	Terminals	S A A COUNTY OF THE PROPERTY O	N
2.6.4.1	General	CO ***	N
2.6.4.2	Protective earthing and bonding terminals		N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
Compliance	Rated current (A), type and nominal thread diameter (mm):	CO CO N	N
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors		The N
2.6.5	Integrity of protective earthing	Total Committee of the State of	N
2.6.5.1	Interconnection of equipment		N
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	NO III	N
2.6.5.3	Disconnection of protective earth	The Manual Comment of the Comment of	Nestation
2.6.5.4	Parts that can be removed by an operator		N
2.6.5.5	Parts removed during servicing	100	N
2.6.5.6	Corrosion resistance		Jan N
2.6.5.7	Screws for protective bonding	S The country of the state of t	N
2.6.5.8	Reliance on telecommunication network or cable distribution system	GC CC	N

2.7	Overcurrent and earth fault protection in primary circuits		F. N
2.7.1	Basic requirements	No primary circuits.	N
写 of Clobal Complex	Instructions when protection relies on building installation	Page 90	N
2.7.2	Faults not covered in 5.3.7	不 想	N N
2.7.3	Short-circuit backup protection	(a) Marian disease	N A
2.7.4	Number and location of protective devices:	- American	N
2.7.5	Protection by several devices		N 🧌
2.7.6	Warning to service personnel		T/N

2.8	Safety interlocks	ond door C Museumon C	N
2.8.1	General principles	No safety interlocks	N
2.8.2	Protection requirements	· · · · · · · · · · · · · · · · · · ·	N #
2.8.3	Inadvertent reactivation	The Condition of the Co	N
2.8.4	Fail-safe operation	C Financia C Financia	N
T Thomas	Protection against extreme hazard		N
2.8.5	Moving parts	整测	ST Marion N
2.8.6	Overriding	The state of the s	N
2.8.7	Switches and relays	-0	N
2.8.7.1	Contact gaps (mm)		N

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	EN 60950-1				
Clause	Requirement – Test	Result – Re	mark		Verdict
2.8.7.2	Overload test	60	20°	,,,,,	N
2.8.7.3	Endurance test				N and
2.8.7.4	Electric strength test	-cill	- JIII		J. N
2.8.8	Mechanical actuators	1 Manual Maria	The Compliance	(8) ### (8)	on of Gue

2.9	Electrical insulation		Р
2.9.1	Properties of insulating materials	Natural rubber, asbestos or hygroscopic materials are not used.	Р
2.9.2	Humidity conditioning	(S. Marian de Galante	N
	Humidity (%),temperature (°C)	20	N
2.9.3	Grade of insulation	Functional only	- P
2.9.4	Separation from hazardous voltages	不是	mpliance N
	Method(s) used	8 State and Clother Comments of Comments o	N

2.10	Clearances, creepage distances and distances	through insulation	P
2.10.1	General	Functional insulation only.	P
G	Frequency	The state of the s	estation of N
- 10.7	Pollution degrees	2	Р
# of Clobal Comm	Reduced values for functional insulation	Complied with 5.3.4 (c	P
lestalion	Intervening unconnected conductive parts	· · · · · · · · · · · · · · · · · · ·	Nance N
	Insulation with varying dimensions	S Standard Comment	N
	Special separation requirements	60	N
® ##	Insulation in circuits generating starting pulses		N
2.10.2	Determination of working voltage	701 Z 701	T/N
2.10.3	Clearances	A Tomore	ation of N
2.10.3.1	General	Amendation & C	N
2.10.3.2	Mains transient voltages	700	N
< G	a)AC mains supply	4週。 梅那	N 4
	b)Earthed d.c. mains supplies	The Company of the Country of the Co	N
74.50	c)Unearthed d.c. main supplies	Filtering CC Finance	N
The Global Co	d)Battery operation		N
2.10.3.3	Clearances in primary circuits	18 M	Simple N
2.10.3.4	Clearances in secondary circuits	O Marianton	N
2.10.3.5	Clearances incircuits having starting pulses	-0" 60	N
2.10.3.6	Transients from a.c. mains supply:	100	N

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Clause	Requirement – Test	Result – R	omark	Verdict
	- 10 70 3 10 COU.	Result – R	emark	
2.10.3.7	Transients from d.c. mains supply	GU	-GO 1	N
2.10.3.8	Transients from telecommunication networks and cable distribution systems			N III
2.10.3.9	Measurement of transient voltage levels	HE MAN	The Manual Complete Company	on of Circle N
3d51	a)Transients from a mains supply	Sopal Court	Atles Alles	N
F Global Comp	For a.c. mains supply:	- CO	Attle	N
Allestation	For d.c. mains supply:			N
	b)Transients from	不格	includes II the Compliance	N
2.10.4	Creepage distances	Manager of Globar	® Affectation of Gall	O N
2.10.4.1	General	Alle	GO E	N
2.10.4.2	Material group and comparative tracking index		S. III.	∰ N
	CTI tests).	I I Tomplares I I Joseph	N
2.10.4.3	Minimum creepage distances	8 %	testation of Color	N
2.10.5	Solid insulation	60		N
2.10.5.1	General			N
2.10.5.2	Distances through insulation	ALL THE	The Complex	N N
2.10.5.3	Insulation compound as solid insulation	FA Compile	C Manual C N	N
2.10.5.4	Semiconductor device			N
2.10.5.5	Cemented joints			M N
2.10.5.6	Thin sheet material - General	1	THE THE TANK	N
2.10.5.7	Separable thin sheet material	(S) FF TATO Glot	(8) Attestation of the	N A
20	Number or layers(pcs):	Allesta	100	N
2.10.5.8	Non-separable thin sheet material			N
2.10.5.9	Thin sheet material – standard test procedure	A FILL	A TO MARCO	N
	Electric strength test	Pagoublian (8)	Alles	N
2.10.5.10	Thin sheet material – alternative test procedure	a.C	Allesta	N
al Compass	Electric strength test	10		N
2.10.5.11	Insulation in wound components	*	A THE STATE OF THE	o N
2.10.5.12	Wire in wound components	a) The Foliation of Global	Con de Globa	N
不检	Working voltage:	Allestan	CO "	N
The stop of Global con	a)Basic insulation not under stress		lies	: N
Allesan	b)Basic, supplementary, reinforced insulation:		下 格	N
	c)Compliance with Annex U	© 42	E Alling of Colombia	N
July Compliance	Two wires in contact inside wound component; angle between 45° and 90°	CO	NGO.	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
2.10.5.13	Wire with solvent-based enamel in wound components	CC CC	N
® ##	Electric strength test		N
-,0	Rountine test	· 我们	N N
2.10.5.14	Additional insulation in wound components	Sant Comments (Sant Comments of Comments o	N
- Fragional Compi	Working voltage		N
Attestation	-basic insulation not under stress		N
	-Supplementary, reinforced insulation	The Residence of The Residence	N
2.10.6	Construction of printed boards	Marian de Company	N
2.10.6.1	Uncoated printed boards		N
2.10.6.2	Coated printed boards	:10	₩ N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	S SE THE OF CHARLES OF SECOND	N
2.10.6.4	Insulation between conductors on different layers of a printed board	GC SCC	N
® ##	Distance through insulation	The state of the s	N
C	Number of insulation layers(pcs)	C The state of the	N
2.10.7	Component external terminations	CO Marie CO	N
2.10.8	Tests on coated printed boards and coated components		N
2.10.8.1	Sample preparation and preliminary inspection	拉那 五	N
2.10.8.2	Thermal conditioning	(a) All American Company (b) All American Company (c) America	N
2.10.8.3	Electric strength test		N
2.10.8.4	Abrasion resistance test		N
2.10.9	Thermal cycling	12 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N
2.10.10	Test for Pollution Degree 1 environment and insulating compound	Santonia Co Manage address CGC for	N
2.10.11	Test for semiconductor devices and cemented joints	No.	N
2.10.12	Enclosed and sealed parts	The Market The State of the Sta	[®] N

3 Th	WIRING, CONNECTIONS AND SUPPLY	C CO	Р
3.1	General	100	P
3.1.1	Current rating and overcurrent protection	Adequate cross sectional areas on internal wiring.	Р
3.1.2	Protection against mechanical damage	Wires do not touch sharp edges that could damage the insulation and cause hazard.	Р

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
3.1.3	Securing of internal wiring	Internal wiring is reliable secured	Р		
3.1.4	Insulation of conductors	Functional only	Р		
3.1.5	Beads and ceramic insulators	No such insulators provided.	N. N		
3.1.6	Screws for electrical contact pressure	No electrical contact pressure by screwed connections.	N N		
3.1.7	Insulating materials in electrical connections	No contact pressure through insulating material.	N		
3.1.8	Self-tapping and spaced thread screws	Thread-cutting or space thread screws are not used for electrical connections.	N ® Mariestation		
3.1.9	Termination of conductors	Same and the second of the sec	Р		
® %	10 N pull test	C C C	N		
3.1.10	Sleeving on wiring	No sleeving used to provide supplementary insulation	N N		

3.2	Connection to a mains supply		N
3.2.1	Means of connection:	Class III equipment, no mains connection.	N
3.2.1.1	Connection to an a.c. mains supply	The Thomas of the state of the	N
3.2.1.2	Connection to a d.c. mains supply	The comment of the state of the	N
3.2.2	Multiple supply connections	700 700	N
3.2.3	Permanently connected equipment		M N
	Number of conductors, diameter (mm) of cable and conduits	The state of the s	
3.2.4	Appliance inlets	CO TO	N
3.2.5	Power supply cords		N
3.2.5.1	AC power supply cords	-101	JAN Smoller
	Туре	K Barrier C. S. S.	
The same	Rated current (A), cross-sectional area (mm²), AWG		
3.2.5.2	DC power supply cords	711	N
3.2.6	Cord anchorages and strain relief	The Barrier The Transferred	[®] N
	Mass of equipment (kg), pull (N)	3 A Marian de Constantina de Constan	
不够	Longitudinal displacement (mm)	, GO	
3.2.7	Protection against mechanical damage		N
3.2.8	Cord guards	N. T.	N
	D (mm); test mass (g)		
in in its property of the prop	Radius of curvature of cord (mm)	60 10	
3.2.9	Supply wiring space		N

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Clause	Requirement – Test	Result – Remark	Verdict
711)	The state of the s	CO CO	30
3.3	Wiring terminals for connection of external con	ductors	N .
3.3.1	Wiring terminals	No such terminal	J. N
3.3.2	Connection of non-detachable power supply cords	A Company of the State of the S	N
3.3.3	Screw terminals		N
3.3.4	Conductor sizes to be connected		N
P.C	Rated current (A), cord/cable type, cross-sectional area (mm²)	T. T	
3.3.5	Wiring terminal sizes		N
3C	Rated current (A), type and nominal thread diameter (mm)		
3.3.6	Wiring terminals design	S S S S S S S S S S S S S S S S S S S	N
3.3.7	Grouping of wiring terminals	C. American	N
3.3.8	Stranded wire	0	N

3.4	Disconnection from the mains supply	The state of the s	station of N
3.4.1	General requirement	Class III equipment	N
3.4.2	Disconnect devices		N
3.4.3	Permanently connected equipment		N N
3.4.4	Parts which remain energized	S The same of the	N
3.4.5	Switches in flexible cords	S The state of the	N
3.4.6	Single-phase equipment and d.c. equipment		N
3.4.7	Three-phase equipment		N 3 mpile
3.4.8	Switches as disconnect devices	TO THE STATE OF TH	Jalion of Global N
3.4.9	Plugs as disconnect devices	o fit string of the string of	N
3.4.10	Interconnected equipment	- GO - E	N
3.4.11	Multiple power sources		N

3.5	Interconnection of equipment	© Management (Color)	Р
3.5.1	General requirements	1 100	Р
3.5.2	Types of interconnection circuits	SELV circuit only.	P
3.5.3	ELV circuits as interconnection circuits	No ELV interconnections.	N N
3.5.4	Data ports for additional equipment	USB port complied	P

	2000		1,050		111
308	4	PHYSICAL REQUIR	REMENTS		P

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and the same		2/////	erall!
	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
4.1	Stability	GO GO	N
Comp	Angle of 10°	<7kg	N spl
Altestal	Test: force (N)		The Normaliano

4.2	Mechanical strength	Section Control of Con	P
4.2.1	General	GO	N
Alles	Rack-mounted equipment.	测 报测	N 🦂
4.2.2	Steady force test, 10 N	Applied to internal component	Pestalion
4.2.3	Steady force test, 30 N		N
4.2.4	Steady force test, 250 N	250N applied to outer enclosure. No energy or other hazards.	P
4.2.5	Impact test	张	mpilance N
	Fall test	© ### June of Colors	N
1111	Swing test	CO " \ CO	N
4.2.6	Drop test; height(m)	1m	P, 1
4.2.7	Stress relief test	71°C, 7hours, no hazard.	Posal Compil
4.2.8	Cathode ray tubes	No cathode ray tube.	N
1 检测	Picture tube separately certified		N
4.2.9	High pressure lamps	No high pressure lamp	N
4.2.10	Wall or ceiling mounted equipment; force (N):	· · · · · · · · · · · · · · · · · · ·	N ,

4.3	Design and construction	- 60	Р
4.3.1	Edges and corners	Edges and corners are rounded.	P. 19
4.3.2	Handles and manual controls; force (N)	111	I Nomolis
4.3.3	Adjustable controls	No such adjustable control.	N N
4.3.4	Securing of parts	No loosening of parts is likely to occur.	P
4.3.5	Connection of plugs and sockets		N
4.3.6	Direct plug-in equipment	Not direct plug-in equipment.	∘ N
	Torque	(a) Million of Global Communication of C	O N
不 写 d Global	Compliance with the relevant mains plug standard	, SCO DE	N
4.3.7	Heating elements in earthed equipment	No heating elements.	ompliance N
4.3.8	Batteries	es Signatural Comments	P
-TILL	-Overcharging of a rechargeable battery	See appended table 4.3.8 and 5.3	Р

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
Compliance	-Unintentional charging of a non-rechargeable battery	Rechargeable battery	N
(S) THE SHALL	-Reverse charging of a rechargeable battery	Reverse charging is prevented by designed	N. W.
5	-Excessive discharging rate for any battery	See appended table 4.3.8 and 5.3	P
4.3.9	Oil and grease	No Oil and grease.	N
4.3.10	Dust, powders, liquids and gases	CO D	N
4.3.11	Containers for liquids or gases		N
4.3.12	Flammable liquids	The Committee of the Co	Nestation
	Quantity of liquid (I)		N
® ## state	Flash point (°C)	100	N
4.3.13	Radiation; type of radiation		P P
4.3.13.1	General		P
4.3.13.2	Ionizing radiation	No ionizing radiation	N
ompliance	Measured radiation (pA/kg)	Co No	
(B) Alles	Measured high-voltage (kV)	The state of the s	
6	Measured focus voltage (kV)	The state of the s	
	CRT markings	CO 100	
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	No ultraviolet radiation	N
testation of	Part, property, retention after test, flammability classification	下程。 测	N O Mar
4.3.13.4	Human exposure to ultraviolet (UV) radiation:	© ## Ford Clother	N
4.3.13.5	Lasers (including laser diodes) and LEDs		Р
4.3.13.5.1	Lasers (including laser diodes)		N
30	Laser class	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
4.3.13.5.2	Light emitting diodes (LEDs)	LED for indication function only	
4.3.13.6	Other types:	-0 700	N

4.4	Protection against hazardous moving parts	The march of the companies	ON.
4.4.1	General	No moving parts	N
4.4.2	Protection in operator access areas	30	N
Attestation of Glob	Household and home/office document/media shredders	超	in N
4.4.3	Protection in restricted access locations	of the state of th	N
4.4.4	Protection in service access areas		N
4.4.5	Protection against moving fan blades		N

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
4.4.5.1	General	GO GO ~	N	
Court	Not considered to cause pain or injury. a)		N and	
Allesto	Is considered to cause pain, not injury. b)	700	The N months	
	Considered to cause injury.	The state of the s	on of Gar	
4.4.5.2	Protection for users	® Financial Co	N	
F Jion of Global C	Use of symbol or warning	CO D	N	
4.4.5.3	Protection for service persons		N /	
NO	Use of symbol or warning	The Management of The State Comment	Nestation	

4.5	Thermal requirements	100	P
4.5.1	General	海洲 有	P
4.5.2	Temperature tests	(see appended table 4.5)	P
-1111	Normal load condition per Annex L	C. Marie C.C.	
4.5.3	Temperature limits for materials	(see appended table 4.5)	Р
4.5.4	Touch temperature limits	(see appended table 4.5)	P
4.5.5	Resistance to abnormal heat	No thermoplastic parts on which parts athazardous voltage are directly mounted.	A N

4.6	Openings in enclosures		P
4.6.1	Top and side openings	No openings	P
	Dimensions (mm)	© A dimensional Contraction of the Contraction of t	
4.6.2	Bottoms of fire enclosures	No openings	Р
Allest	Construction of the bottom		
4.6.3	Doors or covers in fire enclosures	表 那	ator of Chappe
4.6.4	Openings in transportable equipment	Sold Comments of the state of t	P
4.6.4.1	Constructional design measures	No openings	Р
Dal	Dimensions(mm)		N
4.6.4.2	Evaluation measures for larger openings	The Marine	® Na station
4.6.4.3	Use of metallized parts	3 # January Comments of State of the State o	N
4.6.5	Adhesives for constructional purposes	1, 200	N
The station of Give	Conditioning temperature (°C), time (weeks):		

4.7	Resistance to fire	The Compliance	The Global Compilar	® Martestation of State of Sta	Alle stella	Р
4.7.1	Reducing the risk of ig	gnition and spre	saa oi iiaiiio	se of plastic with mmability classe		Р

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
ill Compliance	Method 1, selection and application of components wiring and materials	Method 1 used	Р
-C	Method 2, application of all of simulated fault condition tests		N. M. Marian
4.7.2	Conditions for a fire enclosure	See appended table 1.5.1	Р
4.7.2.1	Parts requiring a fire enclosure	Fire enclosure used	Р
4.7.2.2	Parts not requiring a fire enclosure		N
4.7.3	Materials	拉	PF
4.7.3.1	General	Could Could Could (S. Mary and Could be a second	P
4.7.3.2	Materials for fire enclosures	See appended table 1.5.1	Р
4.7.3.3	Materials for components and other parts outside fire enclosures		N N
4.7.3.4	Materials for components and other parts inside fire enclosures	a Samuel Comment of the Comment of the Comment of Comme	N
4.7.3.5	Materials for air filter assemblies	No air filter assemblies	N
4.7.3.6	Materials used in high-voltage components	No high voltage components.	N

5	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS		
5.1	Touch current and protective conductor current	100 NO	N
5.1.1	General		M N
5.1.2	Equipment under test (EUT)	· 技测 ·	N
5.1.2.1	Single connection to an a.c. mains supply	3 Fig. Frod Colonic	N
5.1.2.2	Redundant multiple connections to an a.c. mains supply	J. B. D.	N
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply	E III	The Nompile
5.1.3	Test circuit	S A CO FOR	N
5.1.4	Application of measuring instrument	CO . TO	N
5.1.5	Test procedure	· iii	N
5.1.6	Test measurements	The Target of the Comment	[®] Name state
	Test voltage (V)	# John of Cool Cool Cook Cook Cook Cook Cook Cook	N
· 水	Measured touch current (mA)	- CO	N
The station of Global	Max. allowed touch current (mA)		N
P	Measured protective conductor current (mA):	T. T. Samuelle Company	N
	Max. allowed protective conductor current (mA) .:		N
5.1.7	Equipment with touch current exceeding 3.5 mA:	GO SO	N
5.1.7.1	General:		N %

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
5.1.7.2	Simultaneous multiple connections to the supply	GO GO .	N
5.1.8	Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks		N. The
5.1.8.1	Limitation of the touch current to a telecommunication network and a cable distribution system	CC FEET NOC TO	N
Allestation A	Test voltage (V)		N
(G)	Measured touch current (mA)	不是 不	® N
	Max. allowed touch current (mA)	Marian de Marian Co	O N
5.1.8.2	Summation of touch currents from telecommunication networks	NGC D	N
0	a)EUT with earthed telecommunication ports:	不 电	mpliance N
	b)EUT whose telecommunication ports have no reference to protective earth	O Martin Code C Martin Co	N

5.2	Electric strength		N 1/3 mple
5.2.1	General	Class III equipment	station of N
5.2.2	Test procedure	OF THE STATE OF TH	N

5.3	Abnormal operating and fault conditions		P
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	P
5.3.2	Motors	No motors	N
5.3.3	Transformers	No transformers	N
5.3.4	Functional insulation	See appended table 5.3. Complies with c)	P P
5.3.5	Electromechanical components	3 constant (S. S. S	N
5.3.6	Audio amplifiers in ITE	- 60	N
5.3.7	Simulation of faults	Result see appended table 5.3.	P
5.3.8	Unattended equipment	The Company of the State Company	N
5.3.9	Compliance criteria for abnormal operating and fault conditions	No flame emitted, no moltenmaterial emitted, no deformationof enclosure	Р
5.3.9.1	During the tests	No hazards.	₩ P
5.3.9.2	After the tests	Class III equipment	ornolisa N

	- In	The state of the s		3000000	
6	CONNECTION T	O TELECOMMUNIC	CATION NETWO	ORKS	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
6.1	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment		
6.1.1	Protection from hazardous voltages		N
6.1.2	Separation of the telecommunication network from	earth	on of Good N
6.1.2.1	Requirements	Marcon San Hard Cooking C. C. American	N
Global Com	Test voltage (V)	CC **	
Allestation	Current in the test circuit (mA)		
6.1.2.2	Exclusions	The state of the s	® N autor

6.2	Protection of equipment users from overvoltages on telecommunication networks		
6.2.1	Separation requirements		₩ N
6.2.2	Electric strength test procedure	玩。我们的"是"	N
6.2.2.1	Impulse test	© Allestation of Control of Contr	N
6.2.2.2	Steady-state test	GO SO	N
6.2.2.3	Compliance criteria		N

6.3	Protection of the telecommunication wiring system from overheating	
The Compliant	Max. output current (A)	
E alation of Global	Current limiting method	<u></u>

7	CONNECTION TO CABLE DISTRIBUTION SYSTI	EMS	N Allest
7.1	General	- CO N	N
7.2	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment		N
7.3	Protection of equipment users from overvoltages on the cable distribution system	CC TO NO	N
7.4	Insulation between primary circuits and cable distribution systems	玉龙	® N
7.4.1	General	3 Francisco C	N
7.4.2	Voltage surge test	1 100	N
7.4.3	Impulse test		N

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Clause	Reguirement – Test Result – Ren	nark Verdict
A	ANNEX A, TESTS FOR RESISTANCE TO HEAT AND FIRE	N N
A .1	Flammability test for fire enclosures of movable equipment havin	
A. I	exceeding 18 kg, and of stationary equipment (see 4.7.3.2)	g a total mass
A.1.1	Samples	€ 6 €
**************************************	Wall thickness (mm)	E John digital CO ju
A.1.2	Conditioning of samples; temperature (°C)	N
A.1.3	Mounting of samples	N N
A.1.4	Test flame (see IEC 60695-11-3)	N N
	Flame A, B, C or D	® Mindalphoof Com
A.1.5	Test procedure	N
A.1.6	Compliance criteria	N N
	Sample 1 burning time (s)	The state of the s
	Sample 2 burning time (s)	Attendition of the state of the
i in in it	Sample 3 burning time (s)	-
A.2 0 4	Flammability test for fire enclosures of movable equipment havin exceeding 18 kg, and for material and components located inside 4.7.3.2 and 4.7.3.4)	
A.2.1	Samples, material	G 700 -
The Mile	Wall thickness (mm)	-
A.2.2	Conditioning of samples	M M
A.2.3	Mounting of samples	Sometimes (S. A. Sold Colored No. 48
A.2.4	Test flame (see IEC 60695-11-4)	N N
	Flame A, B or C	70 -
A.2.5	Test procedure	N S
A.2.6	Compliance criteria	The Compliance S The Lattice of N
-m	Sample 1 burning time (s)	and the state of t
Ki Alis	Sample 2 burning time (s)	-
ball	Sample 3 burning time (s)	
A.2.7	Alternative test acc. To IEC 60695-2-2, cl. 4 and 8	N A STATE OF THE S
The 's	Sample 1 burning time (s)	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
The silon of Global	Sample 2 burning time (s)	<u>-</u>
Attes	Sample 3 burning time (s)	The Complete of The Complete o
A.3	Hot flaming oil test (see 4.6.2)	Same and Colors
A.3.1	Mounting of samples	N
A.3.2	Test procedure	N N

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		EN 60950-1		9 (51)	914113
Clause	Requirement – Test		Result – Rema	ark	Verdict
A.3.3	Compliance criterion	® Fig. To Clobal Com	- GO "	2C	N

BO	ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (see 4.7.2.2 and 5.3.2)	F.N. Carbana
B.1	General requirements	N
_ F Thomas	Position	
Allestation *	Manufacturer	
	Type	
	Rated values	
B.2	Test conditions	N
B.3	Maximum temperatures	₩ N
B.4	Running overload test	N Complete N
B.5	Locked-rotor overload test	N
I juliance	Test duration (days)	
® 4	Electric strength test: test voltage (V)	
B.6	Running overload test for d.c. motors in secondary circuits	No bal Con
B.6.1	General	N
B.6.2	Test procedure	N N
B.6.3	Alternative test procedure	ompliance N
B.6.4	Electric strength test; test voltage (V)	N A
B.7	Locked-rotor overload test for d.c. motors in secondary circuits	N
B.7.1	Test procedure	N 🕬
B.7.2	Alternative test procedure; test time (h)	IN Complian
B.7.3	Electric strength test	testation of N
B.8	Test for motors with capacitors	N
B.9	Test for three-phase motors	N
B.10	Test for series motors	N
	Operating voltage (V)	

C	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)	
Attestation	Position No transformers	
	Manufacturer	
-700	Type	
Compliance	Rated values	

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EN 60950-1					
Clause	Requirement – Test	Result – Rem	nark		Verdict
#151 mm	Method of protection	- CO "	20°	No.	
C.1	Overload test				N sal
C.2	Insulation	litra.	- JIII		The Normaliance
9	Protection from displacement of windings	K Compliance	The Kill Compliance	® %	station of Cal

D Figure of Global Ca	ANNEX D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS (see 5.1.4)			N
D.1	Measuring instrument	liji:	77 TIM	N 🥦
D.2	Alternative measuring instrument	The Manual Compilar of	The Good Company	N ite station

E ®	ANNEX E, TEMPERATURE RISE OF A WINDING (see 1.4.13)	N
30,110,5	A San Yang	

F	ANNEX F, MEASUREME	NT OF CLEARANCES AN	ID CREEPAGE DIS	TANCES	N
	(see 2.10)			Affest allo	

G o	ANNEX G, ALTERNATIVE METHOD FOR DETER	RMINING MINIMUM CLEARANCES	N a
G.1	Clearances	The state of the s	No No al Comme
G.1.1	General	The state of the s	N
G.1.2	Summary of the procedure for determining minimum clearances	Pigo Pigo	N
G.2	Determination of mains transient voltage (V):	T. T.	ompliance N
G.2.1	AC mains supply	Committee Committee (Committee Committee Commi	N Amer
G.2.2	DC mains supply		N
G.2.3	Unearthed DC mains supply		N and
G.2.4	Battery operation		IN Compliant
G.3	Determination of telecommunication network transient voltage (V)	The state of the s	Mesterion of N
G.4	Determination of required withstand voltage (V):	- CO - E	N
G.4.1	Mains transients and internal repetitive peaks:		N
G.4.2	Transients from telecommunication networks:	The Companies	N
G.4.3	Combination of transients	® # January of General State of State o	N
G.4.4	Transients from cable distribution systems	7 - CO P	N
G.5	Measurement of transient levels (V)	71	N N
	a) Transients from a mains supply	M The state of the	oal comin
-0	For an a.c. mains supply	Attention of Attention	N
Tubliance Hills	For a d.c. mains supply	200	N
<u>(</u>	b) Transients from a telecommunication network		N W

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Clause	EN 60950-1 Requirement – Test	Result – Remark	Verdict
		Result – Remark	
G.6	Determination of minimum clearances:	CO CO	N
© 49kg	<u> </u>		. 1/3
H C	ANNEX H, IONIZING RADIATION (see 4.3.13)	The state of the s	The Normal
J 核	ANNEX J, TABLE OF ELECTROCHEMICAL POT	ΓENTIALS (see 2.6.5.6)	N
Figure Clobal Co	Metal used:	-00	
Mesalle	C		2
ĸ	ANNEX K, THERMAL CONTROLS (see 1.5.3 and	d 5.3.7)	N
K.1	Making and breaking capacity	3 Finding of the control of the cont	N
K.2	Thermostat reliability; operating voltage (V):		N
K.3	Thermostat endurance test; operating voltage (V):	A T. L. T.	K Compliance N
K.4	Temperature limiter endurance; operating voltage (V)	CC - CC	N
K.5	Thermal cut-out reliability		N
K.6	Stability of operation	The Company	N
	The state of the s	The Compliance @ Management Class	(B) Attestation of
L Transcor	ANNEX L, NORMAL LOAD CONDITIONS FOR S BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.1)	OME TYPES OF ELECTRICAL	Р
L.:1	Typewriters	iii)	N N
L.2	Adding machines and cash registers	K Semilare	-bal Com
L.3	Erasers		N A
-	Liaseis	© # spirot car	N
	Pencil sharpeners	C Marie Comments	
L.4	A Samuel A S		N
L.4 L.5 L.6	Pencil sharpeners		N N
L.4 L.5	Pencil sharpeners Duplicators and copy machines		N N
L.4 L.5 L.6	Pencil sharpeners Duplicators and copy machines Motor-operated files		N N N
L.4 L.5 L.6 L.7	Pencil sharpeners Duplicators and copy machines Motor-operated files	IG SIGNALS (see 2.3.1)	N N N
L.4 L.5 L.6 L.7	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment	IG SIGNALS (see 2.3.1)	N N N N P
4 5 6 7 M	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment ANNEX M, CRITERIA FOR TELEPHONE RINGIN	IG SIGNALS (see 2.3.1)	N N N N P
L.4 L.5 L.6 L.7 M M.1	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment ANNEX M, CRITERIA FOR TELEPHONE RINGIN Introduction	IG SIGNALS (see 2.3.1)	N N N N P
L.4 L.5 L.6	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment ANNEX M, CRITERIA FOR TELEPHONE RINGIN Introduction Method A	IG SIGNALS (see 2.3.1)	N N N N P
L.4 L.5 L.6 L.7 M M.1 M.2	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment ANNEX M, CRITERIA FOR TELEPHONE RINGIN Introduction Method A Method B	IG SIGNALS (see 2.3.1)	N N N N P
L.4 L.5 L.6 L.7 M M.1 M.2 M.3 M.3.1	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment ANNEX M, CRITERIA FOR TELEPHONE RINGIN Introduction Method A Method B Ringing signal	IG SIGNALS (see 2.3.1)	N N N N P
4 5 6 7 M.1 M.2 M.3 M.3.1 M.3.1.1	Pencil sharpeners Duplicators and copy machines Motor-operated files Other business equipment ANNEX M, CRITERIA FOR TELEPHONE RINGIN Introduction Method A Method B Ringing signal Frequency (Hz)		N

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
M.3.2	Tripping device and monitoring voltage	GO GO	N	
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N M	
M.3.2.2	Tripping device	· 是那	Manage Colon	
M.3.2.3	Monitoring voltage (V):	Godini Comin (8) Mile Japon of Colores C. A.	N	

N	ANNEX N, IMPULSE TEST GENERATORS (se clause G.5)	ee 2.10.3.4, 6.2.2.1, 7.3.2 and	N F
N.1	ITU-T impulse test generators	S. F. double Com.	N
N.2	IEC 60065 impulse test generator	C CC	N

P ANNEX P, NORMATIVE REFERENCES

Q	ANNEX Q, Voltage dependent resistors (VDRS) (see 1.5.9.1)				
Complian	-Preferred climatic categories	:11	N A		
-C	-Maximum continuous voltage	The Companies	N _{obal} Compli		
	-Combination pulse current	FK accommune @ Financial Community	Altestation N		
· ·	Body of the VDR Test according to IEC60695-11-5	Sec Fee	N		
tile station of	Body of the VDR. Flammability class of material (min V-1)	TE ME TO SERVE	mphance N		

R	ANNEX R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES				
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6)	111	The Till	® # TN Complex	
R.2	Reduced clearances (see 2.10.3)	or of Global County	® # Glation of Globa	N	

S	ANNEX S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)				
S.1	Test equipment	liti:	· 1	notice That	N
S.2	Test procedure	E TA TOMPHIANE	® # Glation of Globs	® Attestation of S	N
S.3 🦠	Examples of waveforms d	luring impulse testing	10 ×	GO	N

T ANNEX T, GUIDANCE	ON PROTECTI	ON AGAINST IN	IGRESS OF WA	rer	pal comb
(see 1.1.2)	Kil nollance	The Compliance	® Management of Glob	(B) Allestation (C)	

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
U 7/11 Compliance	ANNEX U, INSULATED WINDING WIRES FOR UINSULATION (see 2.10.5.4)	ISE WITHOUT INTERLEAVED	N
® 3	name of the second seco		不恒
V	ANNEX V, AC POWER DISTRIBUTION SYSTEM	S (see 1.6.1)	F. N
V.1	Introduction	Status Comm	N
V.2	TN power distribution systems	CO **	N
Attestation			
w	ANNEX W, SUMMATION OF TOUCH CURRENT	S Tr. Marine	[®] N
W.1	Touch current from electronic circuits	3 A June distribution of the state of the st	N
W.1.2	Earthed circuits	, GO	N
W.2	Interconnection of several equipments	:10	N
W.2.1	Isolation	A Transferred F. Tr.	N
W.2.2	Common return, isolated from earth	© ## Hand of Co.	N
W.2.3	Common return, connected to protective earth	60 60	N
® 4	CO CO	10000000000000000000000000000000000000	7 相
x_C	ANNEX X, MAXIMUM HEATING EFFECT IN TRA	NSFORMER TESTS (see clause	Nova C
X.1	Determination of maximum input current		N
X.2	Overload test procedure		N
estation		The second second	ompliance
Y	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONIN	G TEST (see 4.3.13.3)	N
Y.1	Test apparatus	- GO .	N
Y.2 😞 🀔	Mounting of test samples		N
Y.3	Carbon-arc light-exposure apparatus:	and a man	N
Y.4	Xenon-arc light exposure apparatus:	The State of the S	N
liti:	TA TO THE STATE OF	Comment of the state of the sta	
Z ompliance	ANNEX Z, OVERVOLTAGE CATEGORIES(see2	10.3.2 and Clause G.2)	N

CC	ANNEX CC, Evaluation of integrated circuit (IC) circuit limiters	S A N
CC.1	General (M)	N
CC.2	Test program 1	N

ANNEX AA, MANDREL TEST (see 2.10.5.8)

ANNEX BB, CHANGES IN THE SECOND EDITION

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
CC.3	Test program 2	GO " GO "	N
CC.4	Test program 3		N
CC.5	Compliance	311	N

DD 🔞	ANNEX DD, requirements for the mounting means of rack-mounted equipment				
DD.1	General	100 ·		N	
DD.2	Mechanical strength test, variable N	inter-	AIT.	N	
DD.3	Mechanical strength test, 250N, including end stops	S A Completo	3 Marchad Compa	N	
DD.4	Compliance	1 6		N	

EE	ANNEX EE, Household and home/office document/media shredders					
EE.1	General	(S) Altestation of Grown (S) Altestation	N			
EE.2	Marking and instructions	60 700	N			
(S) 4	Use of markings or symbols		N			
CO	Information of user instructions, maintenance and/or servicing instructions	A The state of the	N			
EE.3	Compliance	100	N			
EE.4	Disconnection of power to hazardous moving parts		N			
	Use of markings or symbols	The total of the state of the s	N			
EE.5	Protection against hazardous moving parts	3 amendado do Alesso	N			
(R) ##4	Test with test finger (figure 2A)		N			
- C	Test with wedge probe (figure EE1 and EE2):	3 311	N			

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01	D	т		EN 60950-1	-		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Clause		nent – Test	- 10V U			sult – Remark	Verdict
EN EN	12 10	(C) 1886	9 5			MMON MODIFICAT	IONS
(a) The		subclauses, no 50-1 and it´s a		d figures which a prefixed "Z"	are additional	to those	
Contents (A2:2013)	Annex ZE	(normative)	Normative refectorresponding Special nation	erences to intern European public nal conditions ELEC code desiç	cations		A.G.
General		the —countryl to the followin		reference docum	ent (IEC 6095	0-1:2005)	© P F
	1.4.8	Note 2	1.5.1	Note 2 & 3	1.5.7.1	Note	C AME
	1.5.8	Note 2	1.5.9.4	Note	1.7.2.1	Note 4, 5 & 6	
	2.2.3	Note	2.2.4	Note	2.3.2	Note	Ling:
	2.3.2.1	Note 2	2.3.4	Note 2	2.6.3.3	Note 2 & 3	Compliance
	2.7.1	Note	2.10.3.2	Note 2	2.10.5.13	Note 3	~G
	3.2.1.1	Note	3.2.4	Note 3	2.5.1	Note 2	
	4.3.6	Note 1 & 2	4.7	Note 4	4.7.2.2	Note	45.
	4.7.3.1	Note 2	5.1.7.1	Note 3 & 4	5.3.7	Note 1	The Global Comple
	6	Note 2 & 5	6.1.2.1	Note 2	6.1.2.2	Note	attestation o.
	6.2.2	Note	6.2.2.1	Note 2	6.2.2.2	Note	
	7.1	Note 3	7.2	Note	7.3	Note 1 & 2	116:
	G.2.1	Note 2	Annex H	Note 2			mpliance
General (A1:2010)	according 1.5.7.1 N	Delete all the "country" notes in the reference document (IEC 60950-1:2005/A1:2010) according to the following list: 1.5.7.1 Note 6.1.2.1 Note 2 6.2.2.1 Note 2 EE.3 Note					
General (A2:2013)	Delete all the "country" notes in the reference document (IEC 60950-1:2005/A2:2013) according to the following list: 2.7.1 Note * 2.10.3.1 Note 2 6.2.2. Note * Note of secretary: Text of Common Modification remains unchanged.						P
1.1.1 (A1:2010)	Replace t NOTE 3 TI multimedia	the text of NOT he requirements	E 3 by the foll of EN 60065 m E IEC Guide 11	owing. ay also be used to	meet safety re	in:	-C Free of the control of the contro

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
1.3.Z1	Add the following subclause: 1.3.Z1 Exposure to excessive sound pressure	SGC	N	
	The apparatus shall be so designed and constructed as to present no danger when used for its intended purpose, either in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones.	GC S	The Management of the Company	
	NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method	A The state of the	SC F	
	for "one package equipment", and in EN 50332-2, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 2: Guidelines to associate sets with headphones coming from different manufacturers.			
A12:2011)	In EN 60950-1:2006/A12:2011	10		
	Delete the addition of 1.3.Z1 / EN 60950-1:2006 Delete the definition 1.2.3.Z1 / EN 60950-1:2006 /A1:2010	The Secondarion	N	
1.5.1	Add the following NOTE:	(S) Agricon of Globall (S)	attestation of G	
Added info*)	NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2002/95/EC. New Directive 2011/65/11 *	C MARCO	N	
1.7.2.1 A1:2010)	In addition, for a PORTABLE SOUND SYSTEM, the instructions shall include a warning that excessive sound pressure from earphones and headphones can cause hearing loss.	-C # 3	N	
I.7.2.1 A12.2011)	In EN 60950-1:2006/A12:2011 Delete NOTE Z1 and the addition for Portable Sound System. Add the following clause and annex to the existing standard and amendments.	N. M.	E. N.	
	Zx Protection against excessive sound pressure from person	nal music players	- (
	Zx.1 General This sub-clause specifies requirements for protection against excessive sound pressure from personal music players that are closely coupled to the ear. It also specifies requirements for earphones and headphones intended for use with personal	THE STATE OF THE S	N N	
	music players. A personal music player is a portable equipment for personal use, that: - is designed to allow the user to listen to recorded or	GC . S	The state of the s	
	 broadcast sound or video; and primarily uses headphones or earphones that can be worn in or on or around the ears; allows the user to walk around while in use. 	The standard of the standard o	NG.	

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
拉河 d Comphanes a Comphanes	NOTE 1 Examples are hand-held or body-worn portable CD players, MP3 audio players, mobile phones with MP3 type features, PDA's or similar equipment.	YCC .	S N
	A personal music player and earphones or headphones intended to be used with personal music players shall comply with the requirements of this sub-clause.	A CO	The Julion of Global Commission
	The requirements in this sub-clause are valid for music or video mode only.		
	The requirements do not apply: - while the personal music player is connected to an external amplifier; or - while the headphones or earphones are not used. NOTE 2 An external amplifier is an amplifier which is not part of the personal music player or the listening device, but which is intended to play the music as a standalone music player.		
	The requirements do not apply to: hearing aid equipment and professionalequipment; NOTE 3 Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	AGG Marine	NG C
	 analogue personal music players (personal music players without any kind of digitalprocessing of the sound signal) that are brought to the market before the end of 2015. NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies. 		
	For equipment which is clearly designed or intended for use by young children, the limits of EN 71-1 apply.	CC *	GG "
GC The	Zx.2 Equipment requirements No safety provision is required for equipment that complies with the following: - equipment provided as a package (personal music player	S. T. T. D. T. C. C.	The Normal
	with its listening device), wherethe acoustic output LAeq,T is ≤ 85 dBA measured while playing the fixed programme simulation noise as described in EN 50332-1; and		(C) #62
	 a personal music player provided with an analogue electrical output socket for a listening device, where the electrical output is ≤ 27 mV measured as described in EN 50332-2, while playing the fixed "programme simulation noise" as described in EN 50332-1. 	GC F. T. A.	
	NOTE 1 Wherever the term acoustic output is used in this clause, the 30 s A-weighted equivalent sound pressure level LAeq, T is meant. See also Zx.5 and Annex Zx.	Total Commence	K Compliance

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
	All other equipment shall: a) protect the user from unintentional acoustic outputs exceeding those mentionedabove; and b) have a standard acoustic output level not exceeding mentioned above, andautomatically return to an output exceeding those mentioned above when the position of the standard acoustic output level not exceeding those mentioned above when the position of the standard acoustic output level not exceeding those mentioned above.	ng those Itput level	SCN Harmon
	switched off; and c) provide a means to actively inform the user of thei sound pressure when the equipment is operated w acoustic output exceeding those mentioned above means used shall be acknowledged by the user be activating a mode of operation which allows for an	ncreased ith an . Any fore	BG
	output exceeding those mentioned above. The acknowledgement does not need to be repeated m once every 20 h of cumulative listening time; and NOTE 2 Examples of means include visual or audible s. Action from the user is always required.	ignals.	G January St. Janu
	NOTE 3 The 20 h listening time is the accumulative lister independent how often and how long the personal musichas been switched off. d) have a warning as specified in Zx.3; and e) not exceed the following:		No.
	1) equipment provided as a package (player with I listening device), the acoustic output shall be ≤ 100 c measured while playing the fixed "programme simula noise" described in EN 50332-1; and 2) a personal music player provided with an analogelectrical output socket for a listening device, the electrical output socket for a listening device.	dBA ation gue ctrical	C Marine of Street Comm
	output shall be ≤ 150 mV measured as described in I 2, while playing the fixed "programme simulation nois described in EN 50332-1.	se"	CC MAN
	For music where the average sound pressure (long to LAeq,T) measured over the duration of the song is to the average produced by the programme simulation warning does not need to be given as long as the average produced to be given as long as the average produced by the basic limit of sound pressure of the song is below the basic limit of	ower than noise, the erage	S A THE STREET
	In this case T becomes the duration of the song. NOTE 4 Classical music typically has an average sound (long term LAeq,T) which is much lower than the average programme simulation noise. Therefore, if the player is analyse the song and compare it with the programme so noise, the warning does not need to be given as long as average sound pressure of the song is below the basic	d pressure ge capable to imulation s the	
	dBA. For example, if the player is set with the programme sin noise to 85 dBA, but the average music level of the son 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound level of is not above the basic limit of 85 dBA.	g is only	The state of the s

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
GC #	Zx.3 Warning The warning shall be placed on the equipment, or on the packaging, or in the instruction manual and shall consist of the following: - the symbol of Figure 1 with a minimum height of 5 mm; and - the following wording, or similar:	Page 1	GN THE THE STATE OF THE STATE O
	"To prevent possible hearing damage, do not listen at high volume levels for long periods." Figure 1 – Warning label (IEC 60417-6044)		
GC *	Alternatively, the entire warning may be given through the equipment display during use, when the user is asked to acknowledge activation of the higher level.	GC P	
	Zx.4 Requirements for listening devices (headphones and	earphones)	N
GC TANK	Zx.4.1 Wired listening devices with analogue input With 94 dBA sound pressure output LAeq,T, the input voltage of the fixed "programme simulation noise" described in EN 50332-2 shall be ≥ 75 mV. This requirement is applicable in any mode where the headphones can operate (active or passive), including any available setting (for example built-in volume level control).		N The state of the
	NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV.	是 那	A CEMPIANCE
GC F	Zx.4.2 Wired listening devices with digital input With any playing device playing the fixed "programme simulation noise" described in EN 50332-1 (and respecting the digital interface standards, where a digital interface standard exists that specifies the equivalent acoustic level), the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA.	NGC Management	CN TO
	This requirement is applicable in any mode where the headphones can operate, including any available setting (for example built-in volume level control, additional sound feature like equalization, etc.).	A STATE OF CORNEY AND A STATE OF STATE	
	NOTE An example of a wired listening device with digital input is a USB headphone.	mounted 8 Figure of Colonic Complaints	C Allesta

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
	 Zx.4.3 Wireless listening devices In wireless mode: with any playing and transmitting device playingthe fixed programme simulation noisedescribedin EN 50332-1; and respecting the wireless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and with volume and sound settings in the listening device (for example built-in volume level control, additional sound feature like equalization, etc.) set to the combinationof positions that maximize the measured acoustic output for the abovementioned programme simulation noise, the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA. NOTE An example of a wireless listening device is a Bluetooth 		SON MARKET THE PARTY OF THE PAR
-C 341	headphone.	-111	-700
	Zx.5 Measurement methods Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable. Unless stated otherwise, the time interval T shall be 30 s.		N
Corne ®	NOTE Test method for wireless equipment provided without listening device should be defined.	To the state of	玩 槍
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):		N N
	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;	GC Financia	CC MARKET STATES
GC	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;	T. T. Marine	The state of contract of the state of the st
	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.	A Handard Committee of the Committee of	N S
ATTENDED OF ORDER	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.		A STATE OF THE STA
2.7.2	This subclause has been declared 'void'.	Schaller C Alles	N
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	:10	N

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
3.2.5.1	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-F2".	PCC .	GU III
	In Table 3B, replace the first four lines by the following: Up to and including 6 0,75 a)	The Manager of the Ma	alion of Global Compilar
	Over 6 up to and including 10 (0,75) b) 1,0 Over 10 up to and including 16 (1,0) c) 1,5	The second of th	N
	In the conditions applicable to Table 3B delete the words "in some countries" in condition ^{a)} .		25
	In NOTE 1, applicable to Table 3B, delete the second sentence.	Hunto	C Albertalion of
3.2.5.1 (A2:2013)	NOTE Z1 The harmonised code designationscorresponding to the IEC cord types are given in Annex ZD	CC B	N
3.3.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:	张 <u>操</u>	Zonniance N
	Over 10 up to and including 16 1,5 to 2,5 1,5 to 4 Delete the fifth line: conductor sizes for 13 to 16 A	Julion of Global © Milestation of Coll	NGC
4.3.13.6 (A1:2010)	Replace the existing NOTE by the following: NOTE Z1 Attention is drawn to:		梅瀬
	1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and	C. Frankrich of Contraction (S. C. C.)	Magazina at Calaba Commi
	2006/25/EC: Directive on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artifical optical radiation).		711
70	Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	EC Francisco	GON MARIE
Annex H	Replace the last paragraph of this annex by:		LUTE:
	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.	The state of the s	N N
	Replace the notes as follows: NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2.	P.C.	No
Bibliography	Additional EN standards.	测 报	<u> </u>

ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR	
F Thomas	CORRESPONDING EUROPEAN PUBLICATIONS	_

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
松山	ZB ANNEX (normative)SPECIAL NATIONAL COND	OITIONS (EN)	CO	
1.2.4.1	In Denmark , certain types of Class I appliances (see 3.2.1.1) may be provided with a plug not establishing earthing conditions when inserted into Danish socket-outlets.		N ill	
1.2.13.14	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	The salin of caldra Comments of the salin of	N	
1.5.7.1	In Finland, Norway and Sweden , resisters bridging BASIC INSULATION in CLASS I PLUGGABLE EQUIPMENT TYPE A must comply with the requirements in 1.5.7.1. In addition when a single resister is used, the resister must withstand the resister test in 1.5.7.2.	M. S. T. J. M. A. M. M. A. M. M. A. M. M. A. M.	N N	
1.5.8	In Norway , due to the IT power system used (see annex V, Figure V.7), capacitors are required to be rated for the applicable line-to-line voltage (230 V).	GO D	N M	
1.5.9.4	In Finland , Norway and Sweden , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.		N.	
1.7.2.1	In Finland , Norway and Sweden , 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.	C Marie ACC	N THE TANK TOWN	
	The marking text in the applicable countries shall be as follows:	A The second	Complance	
	In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	CC from	CC "	
(S) (S)	In Norway: "Apparatet må tilkoples jordet stikkontakt"		No. 1	
1.7.2.1 (A11:2009)	In Sweden: "Apparaten skall anslutas till jordat uttag" In Norway and Sweden, the screen of the cable distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation need to be isolated from the screen of a cable	Till Life and Committee and Co	N	
	distribution system. It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by e.g. a retailer.	The state of the s	GC F	
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	The transfer of the state of th		
	The comment of the distance of			

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	EN 60950-1	.	
Clause	Requirement – Test	Result – Remark	Verdict
KET JAN	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	
	"Equipment connected to the protective earthing of the building installation through the mains connection or through other equipment with a connection to protective earthing – and to a cable distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)."	A CO	N W
	NOTE In Norway, due to regulation for installations of cable distribution systems, and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min. Translation to Norwegian (the Swedish text will also be		GC THE
	accepted in Norway):	The Compliance	K Compliano
	"Utstyr som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av utstyret til kabel-TV nettet installeres en galvanisk isolator mellom utstyret og kabel- TV nettet."	AGC MAN	NG.
	Translation to Swedish:	F Klabal Compile	8 Figure of Global Co
The State of Calculation	"Utrustning som är kopplad till skyddsjord via jordat vägguttag och/eller via annanutrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk förbrand. För att undvika detta skall vid anslutning av utrustningen till kabel-TV nätalvanisk isolator finnas mellan utrustningen och kabel-TV nätet."		THE STATE OF THE S
I.7.2.1 A2:2013)	In Denmark , 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 in Denmark shall be as follows: In Denmark :	AGC in	GON THE STATE OF T
load Complaince	"Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord."		
.7.5	In Denmark , 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 socket-outlet shall be in accordance with Standard Sheet DK 1-1b or DK 1-5a. For CLASS II EQUIPMENT the socket outlet shall be in	GG Francisco	GC N.

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
极利	ZB ANNEX (normative)SPECIAL NATIONAL CONI	DITIONS (EN)	60
1.7.5 (A2:2013)	In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the DS 60884-2-D1:2011. For class I equipment the following Standard Sheets are applicable: DK 1-3a, DK 1-1c, DK 1-1d, DK 1-5a or DK 1-7a, with the exception for STATIONARY EQUIPMENT where the socket-outlets shall be in accordance with Standard Sheet DK 1-1b, DK 1-1c, DK 1-1d or DK 1-5a. Socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance with DS 60884-2-D1 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with by DS 60884-2-D1 Standard Sheet DKA 1-3a or DKA 1-3b. Justification the Heavy Current Regulations, 6c		
2.2.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	The Completion of Street Line of Str	Chopal Country N
2.3.2	In Finland , Norway and Sweden there are additional requirements for the insulation. See 6.1.2.1 and 6.1.2.2 of this annex.	NGO	N
2.3.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	® # John Comme	N N
2.6.3.3	In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A.	C CC	N
2.7.1	In the United Kingdom , to protect against excessive currents and short-circuits in the PRIMARY CIRCUIT of DIRECT PLUG-IN EQUIPMENT, tests according to 5.3 shall be conducted, using an external protective device rated 30 A or 32 A. If these tests fail, suitable protective devices shall be included as integral parts of the DIRECT PLUG-IN EQUIPMENT, so that the requirements of 5.3 are met.	AGC Marine	N
2.10.5.13	In Finland , Norway and Sweden , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex.	The state of the s	The Name of the Na

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Clause	EN 60950-1	Result – Remark	\/ord:=+
Jause	Requirement – Test		Verdict
Ker Marion	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	
3.2.1.1	In Switzerland , supply cords of equipment having a RATED CURRENT not exceeding 10 A shall be provided with a plug complying with SEV 1011 or IEC 60884-1 and one of the following dimension sheets: SEV 6532-2.1991 Plug Type 15 3P+N+PE 250/400 V, 10 A SEV 6533-2.1991 Plug Type 11 L+N 250 V, 10 A SEV 6534-2.1991 Plug Type 12 L+N+PE 250 V, 10 A In general, EN 60309 applies for plugs for currents exceeding 10 A. However, a 16 A plug and socket-outlet system is being introduced in Switzerland, the plugs of which are according to the following dimension sheets, published in February 1998: SEV 5932-2.1998: Plug Type 25, 3L+N+PE 230/400 V, 16 A	A THE STATE OF THE	
CC	SEV 5933-2.1998: Plug Type 21, L+N, 250 V, 16A SEV 5934-2.1998: Plug Type 23, L+N+PE 250 V, 16 A	不是那	The Completion
3.2.1.1	In Denmark , supply cords of single-phase equipment having a rated current not exceeding13 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 contacts 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.		N The state of the
	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 Regulations, Section 107-2-D1 or EN 60309-2.	A THE COMMENT OF	AC TO
3.2.1.1	In Spain , supply cords of single-phase equipment having a rated current not exceeding 10 A shall be provided with a plug according to UNE 20315:1994. Supply cords of single-phase equipment having a rated current not exceeding 2,5 A shall be provided with a plug according to UNE-EN 50075:1993. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the		N The state of the
	wiring rules, shall be provided with a plug in accordance with standard UNE 20315:1994. If poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with UNE-EN 60309-2.	CC Farmer	GC ***

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
松利	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	GU		
3.2.1.1	In the United Kingdom , 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 1768:1994 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by those regulations. NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.				
3.2.1.1	In Ireland , apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to I.S. 411 by means of that flexible cable or cord and plug, shall be fitted with a 13 A plug in accordance with Statutory Instrument 525:1997 - National Standards Authority of Ireland (section 28) (13 A Plugs and Conversion Adaptors for Domestic Use) Regulations 1997.	GG imm	N A Table of the Control of the Cont		
3.2.4	In Switzerland , for requirements see 3.2.1.1 of this annex.	10	N		
3.2.5.1	In the United Kingdom , a power supply cord with conductor of 1,25 mm2 is allowed for equipment with a rated current over 10 A and up to and including 13 A.	O THE STANDARD	N N		
3.3.4	In the United Kingdom , 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:	C FCC	N		
4.3.6	• 1,25 mm² to 1,5 mm² nominal cross-sectional area. In the United Kingdom , the torque test is performed using a	AT .	A Company		
	socket outlet complying with BS 1363 part 1:1995, including Amendment 1:1997 and Amendment 2:2003 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, 12.13, 12.16 and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	AGC Marine	N N N N N N N N N N N N N N N N N N N		
4.3.6	In Ireland , DIRECT PLUG-IN EQUIPMENT is known as plug similar devices. Such devices shall comply with Statutory Instrument 526:1997 - National Standards Authority of Ireland (Section 28) (Electrical plugs, plug similar devices and sockets for domestic use) Regulations, 1997.		N ®		

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
松子湖	ZB ANNEX (normative)SPECIAL NATIONAL CONI	DITIONS (EN)	G
5.1.7.1	In Finland, Norway and Sweden TOUCH CURRENT measurement results exceeding 3,5 mA r.m.s. are permitted only for the following equipment: • STATIONARY PLUGGABLE EQUIPMENT TYPE A that is intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, for example, in a telecommunication centre; and	A CO	N mil
	has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON; • STATIONARY PLUGGABLE EQUIPMENT TYPE B; • STATIONARY PERMANENTLY CONNECTEDEQUIPMENT.		GC THE
6.1.2.1 (A1:2010)	In Finland , Norway and Sweden , add the following text between the first and second paragraph of the compliance clause: If this insulation is solid, including insulation forming part of a		N
	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	© Martin of Boundary	The taken of Colonic Comm
	-one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	C TO CO	
A Condition of Condition	Alternatively for components, there is no distance through insulation requirements 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		GC F

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
拉到	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	GU
	-passes the tests and inspection criteria of 2.10.11 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 2.10.10 shall be performed using 1,5 kV), and -is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV. It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b).	A CO	N and
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	THE TANK THE THE	(C) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	C Manufacture of Cook	QC "
	-the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in EN 60950-1:2006, 6.2.2.1;	F. January S. J. J.	K. Till
	-the additional testing shall be performed on all the test specimens as described in EN 60384-14:	GC imm	Pa
	-the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	The transfer of the state of th	The state of the s
6.1.2.2	In Finland , Norway and Sweden , the exclusions are applicable for PERMANENTLY CONNECTED EQUIPMENT, 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 GG
7.2	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex. The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.	T. B.	No. 7
7.3	In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	The same of the sa	N
7.3	In Norway , for installation conditions see EN 60728-11:2005.	100	N

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1.5.1	TABLE: list of critical compone	nts			P
Object/part no	o. Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity
PCB	Interchangeable	Interchangeable	V-0, 130°C	UL 94, UL 796	UL 1
Coil	Interchangeable	Interchangeable	Min. 130°C	UL 1446	UL
Plastic enclosure	Covestro Deutschland AG	FR6005 +(z)	V-0,105°C, min. 1.5mm thickness	UL 94	UL E41613
Battery	SHENZHEN GRAND POWER SOURCE CO., LTD	606090	3.7Vdc, 4000mAh	IEC 62133: 2012	UTL report no.: 15PNS0506 703001
Battery wire	Interchangeable	Interchangeable	Min. 105°C, min. 24AWG, min. 30V, VW-1 or FT1	UL 758	UL
Note(s):	100 100		加	Milanco X	bal Compliance

1.6.2	TABLE: e	electrical data (i	in normal cor	nditions)	100	100	Р
U (V)	I (A)	Irated (A)	P (W)	Fuse #	Ifuse (A)	Condition/status	
5	1.87	2.0	9.35	- jiji	like the	Charged with empty batte	ery
Note(s):1.8	7A < (2A*11	0%)	于玩	al Compliance	Finon of Global Comp	CC - CC	Alles

2.1.1.5c)1) TABLE: m	nax. V, A, VA test			P P
Voltage (rated) (V)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)
5	2.1	8 5.11 8 5.11	2.58	12.45
Note(s):	® ## clattor of Globs	C M		:111

2.1.1.5c)2)	TABLE: stored energy	- FILL	I tomphane	K Complian	® Tresulton N
Capacitance	e C (μF)	Voltage U (V)			Energy E (J)
The Compliant	® Milestation of American	- GO	(E)		
Note(s):	10		A Marco	The H	Topplance (8) The miles of C

2.2 TABLE: evaluation of voltage limiting comp	N		
Component (maccured between)	max. voltage (V)	Voltage Limiting	
Component (measured between)	Vpeak	Vd.c.	Components
- A 12 min	TV 15 Compiliance (8)	Attestation of Com	hestation G
Fault test performed on voltage limiting components	Voltage measured	d (V) in SELV circuits	s (V peak or V d.c.)

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Note(s):			The Manager of the second	The state of the s	(B) Allestation of Gills	© Figure of Globa	® Affestation of

2.5 TABLE: limited power source measurement						
Measured Uoc (V) with all load circuits	Isc	(A)	VA			
disconnected:	Meas.	Limit	Meas.	Limit		
5.11 (normal)	2.58	8	12.45	100		
4.17 (U1 pin7-8, S-C)	6.42	8	18.12	100		
Note(s): S-C: short circuit.		超 测	TK Minnierce	® Francisco		

2.10.2	TABLE: Working	voltage measuremer	it C	160		N
Location		RMS voltage	e (V) P	eak voltage (V)	Comr	nents
	70		III.	IN 18 18 18 18 18 18 18 18 18 18 18 18 18	ance Fr	Combine, ®
Note(s):	:111	T. Compliance	The Medicompliance	(S) Sillies tulion of Colo	Attestation &	100

2.10.3 and 2.10.4 TABLE: clearance a	and creepage o	distance mea	surements		不 地	N Manual Complete
Clearance cl and creepage distance dcr at/of:	U p (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required dcr (mm)	dcr (mm)
The Company Fold Calmar Commen	Allestation	z.C	Allesto.	U	-	
Note(s):	C			LIJE:		The state of the s

2.10.5	TABLE: distance through insula	tion measurements	® Attestation of G	CO .	N
Distance th	nrough insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)
Note(s):	五 是 河	Januarde (S. A. Januarde)	Jobal Con (S) SEE STATION	ol Gloria	Aug.

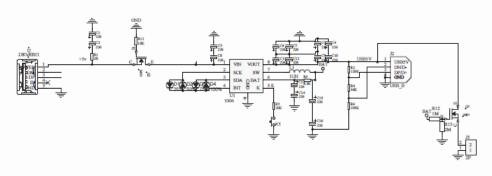
4.3.8	TABLE: Batteries							litte:	Р
The tests of not available	f 4.3.8 are appli e	cable only v	vhen approp	oriate batter	ydata is	A Chopal Compliance	® ## Jon of Clob	al Compliance	N Market Mark
Is it possible	e to install the b	attery in a r	everse pola	rity position	?	Impossible	Attesto	N	N
® # Jalion of Globs	Non-red	chargeable	batteries		F	Rechargeab	le batteries	;	
	Disch	arging	Uninten-	Cha	rging	Discha	arging	Reverse	Charging
	Meas.cur rent	Manuf.Sp ecs.	tionalchar ging	Meas.cur rent	Manuf.Sp ecs.	Meas.cur rent	Manuf.S pecs.	Meas.c urrent	Manuf.Sp ecs.

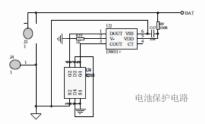
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Max.currentdu ringnormalcon dition	-	¥G	The Complance	1.89A	% 2A	3.28A	4A	The aton of Committee at Committee	(C) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A
Max.currentdu ringfaultconditi on	obal Compliance	GG	<u>'</u>	1.95A	2A	3.93A	4A	-100	·····································
Test results:			1	Kir illing	下 校 子	ance Th	Compliance	© \$5.	Verdict
- Chemical leaks	,	FIL dience	® Managarion of G	(e) See	Figure of Global Co.	No leaks	000	-,0	P
- Explosion of th	e battery	1 County	0	CO M		No explosio	on		Р
- Emission of fla	me or exp	ulsion of mo	Iten metal			No molten	metal	Ki ppiance	P
- Electric strengt	h tests of	equipment a	fter complet	ion of tests	@ ##. ⁴³	F The Company (C	The station of Glob	²⁹ Com	C Alles
Note(s):	Clopal Countils	F of Global Compile	® # intone	Clopal Count	C Allesto	CC C	Atlas		

4.3.8 TABLE	E: Batteries		King Time	The Manual P ®
Battery category		: Li-ion	alion of Global Co	Mestalion of color
Manufacturer		: SHENZHEN GRAND F	POWER SOUR	CE CO., LTD
Type/model		: 606090		利
Voltage, Capacity		: 3.7Vdc, 4000mAh	T Thomas	Complies Front Chiral Com
Circuit protection dia	gram	: See below	G Alesanon	GC :





MARKINGS AND INSTRUCTIONS (1.7.13)

Location of replaceable battery	Not replaceable	100°	
Language(s):		lik:	10 TH

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Close to the battery		K Karanin	The Company
In the servicing instructions	- Kindlence	® ## Good	(S) Attendition of Ciologo
In the operating instructions:	n of Global Co	30	
Note(s):			10000000000000000000000000000000000000

Alle				-till	dis		2/////	3.16 "Co.
4.5	TABLE: maximum t	emperatures	· 小龙	pliance		. 环·梅	Allence (S)	Jajion of Glove P
The State of Country of	Test voltage (V)	CC *		b) USB lo	ss load 5W; ad 5V/2.1A ed only by l	Attes.	NGC.	
maximum temperature T of part/at:					Т	(°C)		allowed
				a)		b)	c)	Tmax (°C)
Battery	For Global Comm	Jobal Compile	Figure of Global Cr	64.5	6	7.1	55.4	Ref
Battery wire	Allestation	aG '	Attesto	70.0	7	6.6	66.7	105
PCB near U1			and the	85.7	9	1.8	71.2	130
Coil		不恒	bliauce -lim	59.7	9 5	4.1	50.4	130
Enclosure ins	ide near U1	The station of Global	® ##	57.0	6	0.9	53.1	Ref.
Enclosure out	tside near U1	Alle	30	48.9	5	2.1	46.3	55
Ambient			7	40.0	1 4	0.0	40.0	F Jion of Clobal Co.
Temperati	ure T of winding	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T (°C)	Allowed T _{max} (°C)	Insulation Class
T A Global Compile	© A John of Global Co.	G Alles	- (JC	+			
Note : Having	a specified maximu	ım ambient	temperati	ure of 40°C		lin:	- K	I poliance

4.5.5	TABLE: ball pressure test of thermoplastic parts	(e) Messation o	N
· · · · · · · · · · · · · · · · · · ·	allowed impression diameter (mm)	-	
Part		Test temperature(°C)	Impression diameter (mm)
liji:	The transfer of the state of th	Jobs @ Attendion of C	CO - CO
Note(s):		100	

4.7 TABLE: Res	istance to fire	-1111	The Compliance	I Global Compila	® Pattestation of
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence
© Attached Globa -	Hestation -C All	70	4	Iliin:	7/2-
Note(s):Refer to 1.5.1		lin:	AF.	Compliance	The Compliant

5.1	TABLE: touch current measurement	Mile Lution of Co.		N
Measured between:		Measured(mA)	Limit(mA)	Comments/conditions

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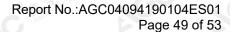


Affectation of Grown	10-	3.GO		The complance	T. E. T.
Note(s):		IX Complance	E Kindlenes	© The shift of Glob	(8) Attestation

5.2	TABLE: electric stre	ength tests and impulse tes	ts			N W
Test voltag	ge applied between:		Test volta	age (V)	Brea	akdown
10	- 100:	- Indian Complian	The Manual -	F of Global Comp.		testation
Note(s):	Compliance The Compliance	Attestation (C)	Allostation of All	Se station .	0	

5.3		E: fault condition				Empires Tr. Empires	® Restations	
	ambi	ambient temperature (°C)				22.2-23.5	- C - ·	
® %	41/.	rated markings of power supply:			CO D			
Component no. Fault		Test voltage (V)	Test time	Fuse no.	Result			
Charged mod	de		The American	亚	ompliance ®	(C) State autonof Colors	CC(
U1 pin1-7	~ 环	S-C	5V	7H		Normal operation, no dam hazards.		
Q2 C-E	estation of	S-C	5V	10min		Normal operation, no damage, no hazards.		
R3		S-C	5V	7H	F of Clobal Compliant	Normal operation, no damage, no hazards.		
U1 pin0-6	ance (3)	S-C	5V	10min	hestelle"	Unit shut down, recoverable, no damage, no hazards.		
U1 pin0-1	,C	S-C	5V	10min	<u></u>	Unit shut down, recoverable, no damage, no hazards.		
U3 pin1-3		S-C	5V	10min	O The state of the	Normal operation, no damage, no hazards.		
Discharged n	node							
Wireless out	put	O-L		2H15mi n	- III	Wireless output max load 6W output shut down, recodamage, no hazards.		
U6 pin1-5		S-C	Find Clark Compliance	10min	Jahor of Global	Wireless output shut down, recoverable, no damage, no hazard		
C15		S-C		10min	10	Wireless output shut down, recoverable, no damage, no hazards		
USB outpu	ıt 👊	O-L		1H33mi n	© Mary and the	USB output max laod at 2.4A, over 2.4A output shut down, recoverable, no damage, no hazads.		
USB outpu	it	S-C	© Attentions	10min	5 - - -	USB output shut down, recoverable, no damage, no hazards.		
U1 pin7-8		s-c	<u> </u>	2H		Normal operation, no damage, no hazards.		
U3 pin1-3		S-C	The Compliance	2H	compliance	Normal operation, no damage, no hazards.		
Battery B- t B+	to	S-C	estation of Gib	30min	100	After short, battery no fire, no leas, no explosion, no hazards.		

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Fault: S-C = short circuit, O-L = over circuit

Note: --

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AttachmentA Photos of product

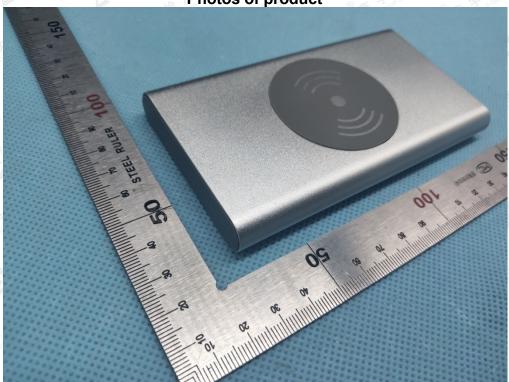


Fig.1-Over view

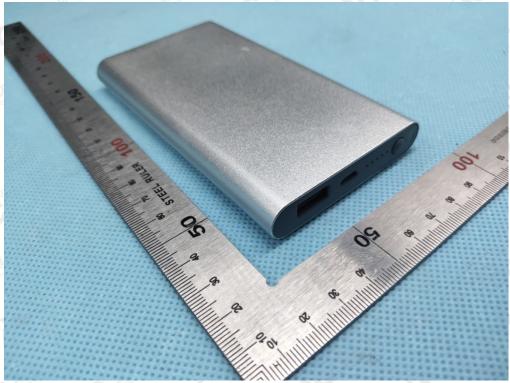


Fig.2-Over view

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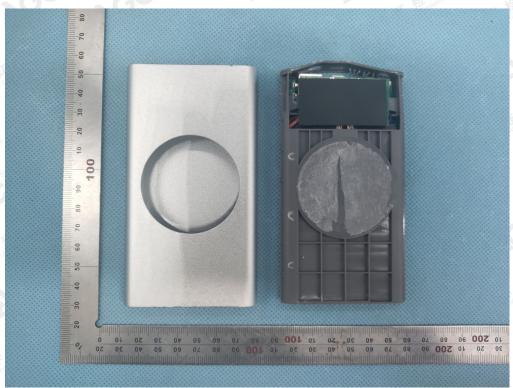


Fig.3-Internal view

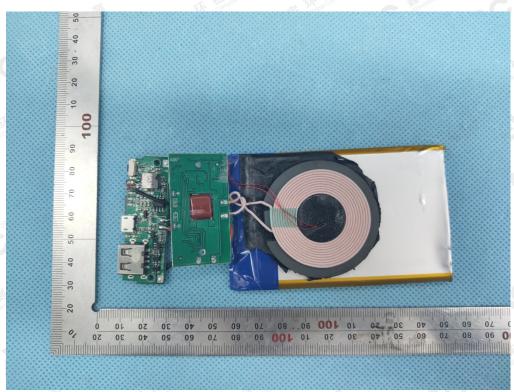


Fig.4 –Internal view

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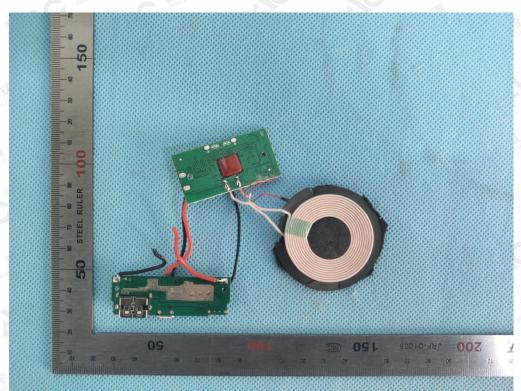


Fig.5-PCB view

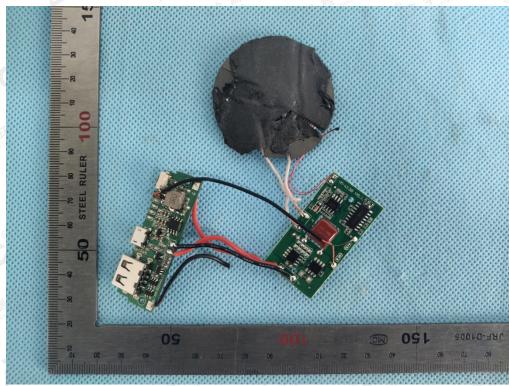


Fig.6-PCB view

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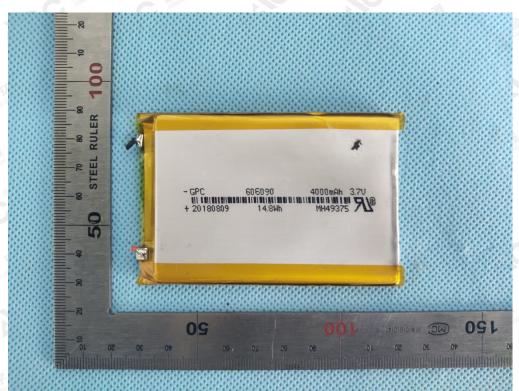


Fig.7-Battery view

----END OF REPORT----

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