

Report No.: SZAWW190514001-02S

Test Report

Client Name :

Address :

Product Name : Power Bank

Date : May 25, 2019



TEST REPORT

IEC 60950-1

Information technology equipment – Safety – Part 1: General requirements

Report Number.....: SZAWW190506002-02S

Date of issue May 25, 2019

Total number of pages 58 pages

Applicant's name....::

Address::

Test specification:

Standard: IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

Test procedure: Type Tested

Non-standard test method.....: N/A

General disclaimer:

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

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Testing procedure and testing location:

Testing location/ address...... 1/F, Building D, Sogood Science and Technology Park,

Sanwei community, Hangcheng Street, Bao'an District,

Shenzhen, Guangdong, China.518102

Anbotek

Tested by (name + signature): Stone Chen

Approved by (+ signature) Jeff Zhu





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Test item description::	Power Bank	Anbotek	Anbo	botek	Anbor
Trade Mark:		AL.			
Manufacturer:	s \$				
Model/Type reference:					
Ratings::	Micro USB Input Type-C Input/Ou	ıtput: 5V=== 3			
otek Anbotek Anboto An	Output: 5V=== 2. Output: Wireless		. Output: 3A		
nbotek Anbote Anbotek	Battery Capacity Rated Capacity:				191

Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:

Electrical safety

- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:20

Testing location:

Shenzhen Anbotek Compliance Laboratory Limited 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES The product fulfils the requirements of EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Copy of marking plate:

Power Bank

Model: P68W

Micro USB Input: 5V== 2A
Type-C Input/Output: 5V== 3A

Output: 5V == 2.1A Total max. Output: 3A

Output: Wireless Charger 5W

Battery Capacity: 8000mAh/ 3.7V, 29.6Wh

Rated Capacity: 4800mAh/5V, 3A



Manufacturer: Hamedata Technology Co., Limited Address: 3F, Building 1, Huahan Industrial Park, No.16, Jinniu West Rd., Pingshan New District,

Shenzhen

(The label should be attached to the back of the product.)

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



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Test item particulars:	Anboten Anbote Anbote Anbote
Equipment mobility:	☐ Movable ☐ Hand-held ☐ Transportable ☐ Stationary ☐ For building-in ☐ Direct plug-in
Connection to the mains:	Pluggable equipment Type A Type B Permanent connection Detachable power supply cord Non-detachable power supply cord Not directly connected to the mains built-in component, consider in end system
Operating condition:	☐ Continuous☐ Rated operating / resting time:
Over voltage category (OVC):	OVC I OVC II OVC III OVC IV Other:
Mains supply tolerance (%) or absolute mains supply values:	N.A.
Tested for IT power systems	☐ Yes No
IT testing, phase-phase voltage (V)	N.A.
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Not classified
Considered current rating of protective device as part of the building installlation (A):	Not directly connected to the mains
Pollution degree (PD):	□ PD 1 □ PD 2 □ PD 3
IP protection class:	IPX0
Altitude during operation (m)	2000
Altitude of test laboratory (m)	
Mass of equipment (kg):	Approx. 0.208Kg
Possible test case verdicts:	
- test case does not apply to the test object:	N/A (Not Applicable)
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	k Anbotek Anbotek Anbotek
Date of receipt of test item:	May 06, 2019
Date(s) of performance of tests	May 06, 2019 to May 24, 2019



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General remarks:	F 10	nbotek	Pupo	Yes	abotek	Anbor
"(See Enclosure #)" refers to additional information ap	pended	to the re	eport.	a 5.7	5.0	Ant
"(See appended table)" refers to a table appended to the	ne report	t.				
Throughout this report a \square comma / \boxtimes point is u	sed as t	he deci	mal sep	arator.		
Note: Before placing the products in the different count	ries, the	manufac	cturer mu	ıst ensu	re that:	
1. Operating Instructions, Ratings Labels and Warning of the county in question.	s Labels	s written i	in an Ac	cepted o	r Official I	Language
2. The equipment complies with the National Standard	ls and/or	Electrica	al Codes	of the c	ountry in	question.
3. According to the EU directives which have been alignmanufacturer and importer's name and address shall be on its packaging or in a document accompanying the p	e affixed	d on the p	product of	or, where	that is n	ot possible,
When differences exist; they shall be identified in t	he Gene	eral prod	luct info	rmation	section.	N _S
Name and address of factory (ies):	Hamed	ata Tech	nology (Co., Limi	ted	
					l Park, No t, Shenzh	o.16, Jinniu en
ok hotel Anbo						bro.
Remark:						
The EUT, class III equipment is used for information to The maximum operating temperature is 40°C.	echnolo	gy equip	ment.			

The EUT powered by a suitable rated and certified DC power supply or internal rechargeable Li-ion battery (3.7V, 8000mAh).

All models are identical, except for model number and appearance.

Unless otherwise specified, the model "P68W" was chosen as representative model to perform all the

Abbreviations used in the report:

- normal conditions - single fault conditions S.F.C N.C - functional insulation OP - basic insulation ВΙ - double insulation - supplementary insulation DI SI - between parts of opposite polarity **BOP** - reinforced insulation RI

Indicate used abbreviations (if any)

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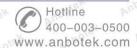
r. potek	IEC 60950-1	Al otek Anbotek	Anbo
Clause	Requirement – Test	Result - Remark	Verdict
1/4 anbol	GENERAL	10000	P
, V	notek Anbotek Anbi		
1.5	Components		Р
1.5.1	General		P
Aupotek	Comply with IEC 60950-1 or relevant component standard	k botek Aubotek	Annot
1.5.2	Evaluation and testing of components	(see appended tables 1.5.1)	PAR
1.5.3	Thermal controls	Yupore, Yup.	N/A
1.5.4	Transformers	rotes Aug	N/A
1.5.5	Interconnecting cables		$P_{\mathbb{A}}$
1.5.6	Capacitors bridging insulation		N/A
1.5.7	Resistors bridging insulation	W.	P
1.5.7.1	Resistors bridging functional, basic or supplementary insulation	Resistors bridging functional insulation only	e _k P _{ru}
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	L Yek "poto. W	N/A
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains and antenna or coaxial cable	Anbotek Anbotek	N/A
1.5.8	Components in equipment for IT power systems	tek nbotek Anbote	N/A
1.5.9	Surge suppressors	Lok botek Anbote.	N/A
1.5.9.1	General	hoose Ambol	N/A
1.5.9.2	Protection of VDRs	Aupore K wotek an	N/A
1.5.9.3	Bridging of functional insulation by a VDR	All Stok	N/A
1.5.9.4	Bridging of basic insulation by a VDR	Anbo	N/A
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	tek Anbotek Anbotek	N/A
rok m	tek Anbote And tek nbotek P	inhor K anbot	S.K.
1.6	Power interface	Anbote And atek and	otek P
1.6.1	AC power distribution systems	Class III equipment	N/A
1.6.2	Input current	(see appended table 1.6.2)	Pre
1.6.3	Voltage limit of hand-held equipment	ek abotek Anbote	N/A
1.6.4	Neutral conductor	A otek Anbores	N/A

1.7.1	Power rating and identification markings	Anbote And otek Ant	otek P A
1.7.1.1	Power rating marking	See below	nbot ^e P
Anbole	Multiple mains supply connections	Anbotek Anbo	Pek Bek
Anbotek	Rated voltage(s) or voltage range(s) (V)	See below	Potek
e anbol	Symbol for nature of supply, for d.c. only	abotek Anbote	P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F, Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86)755–26066440 Fax:(86)755–26014772 Email:service@anbotek.com



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An	IEC 60950-1	And stek anbotek	Anbor
Clause	Requirement – Test	Result - Remark	Verdict
Anu ot	Data (file and a second file	194 194 194 194 194 194 194 194 194 194	N1/A
er Anbo	Rated frequency or rated frequency range (Hz):		N/A
potek Ani	Rated current (mA or A)	See below	Р
1.7.1.2	Identification markings		P
Anbotek	Manufacturer's name or trade-mark or identification mark	N Pr.	P
Anboten	Model identification or type reference	P68W	Р
anbote	Symbol for Class II equipment only	stek anbotek Anbor	N/A
ntek ont	Other markings and symbols	inbo rek abotek Anbo	N/A
1.7.1.3	Use of graphical symbols	Not give rise to misunderstanding	P
1.7.2	Safety instructions and marking	User manual provided	P
1.7.2.1	General		P
1.7.2.2	Disconnect devices	8,4	N/A
1.7.2.3	Overcurrent protective device	po'	N/A
1.7.2.4	IT power distribution systems	r v 200 60	N/A
1.7.2.5	Operator access with a tool	Aupotek Aupo tek	N/A
1.7.2.6	Ozone	Anbotek Anbort	N/A
1.7.3	Short duty cycles	tek anbotek Anbote	N/A
1.7.4	Supply voltage adjustment	Continuous operation	N/A
otek Anbi	Methods and means of adjustment; reference to installation instructions	No such device	N/A
1.7.5	Power outlets on the equipment:	Anbor Al	N/A
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference)	Anbotek Anbotek	N/A
1.7.7	Wiring terminals	ter Wash	N/A
1.7.7.1	Protective earthing and bonding terminals:	botek Aupor Au	N/A
1.7.7.2	Terminals for a.c. mains supply conductors	Anbotek Anbote An	N/A
1.7.7.3	Terminals for d.c. mains supply conductors	abotek Anbotes Ant	N/A
1.7.8	Controls and indicators	abotek Anboten	N/A
1.7.8.1	Identification, location and marking:	ok hotek Anbotek	N/A
1.7.8.2	Colours:	K Kotek Anbotek	N/A
1.7.8.3	Symbols according to IEC 60417	bote And otek unbote	N/A
1.7.8.4	Markings using figures:	Aupoton Aupo tek ap	N/A
.7.9	Isolation of multiple power sources:	Anborek Anbos An	N/A
1.7.10	Thermostats and other regulating devices:	No such regulating device	N/A
1.7.11 Otek	Durability	Rubbing test for 15 s with water then for 15 s with petroleum spirit	P

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Am	IEC 60950-1	And otek Ambotek	Aupor
Clause	Requirement – Test	Result - Remark	Verdict
Aug	w otek Anbor		00
1.7.12	Removable parts	No removable parts.	N/A
1.7.13	Replaceable batteries		N/A
"Otek	Language(s)		- V
1.7.14	Equipment for restricted access locations:		N/A

2 And	PROTECTION FROM HAZARDS		PAnbo
2.1 Andre	Protection from electric shock and energy hazards	Anbotek Anbot Anbot Anbot	cell P Ar
2.1.1	Protection in operator access areas	notek Anbor An	.e\P
2.1.1.1	Access to energized parts	Class III equipment, SELV circuit only.	Pyr
Anbo	Test by inspection		N/A
Anbo	Test with test finger (Figure 2A):	,e*	N/A
ek Aupor	Test with test pin (Figure 2B):		N/A
botek Ani	Test with test probe (Figure 2C):	No TNV circuit within the equipment	N/A
2.1.1.2	Battery compartments	Anbors Am notek	N/A
2.1.1.3	Access to ELV wiring	No internal wiring at ELV	N/A
ek Anbore	Working voltage (Vpeak or Vrms); minimum distance through insulation (mm)	tek Anbotek Anbotek	Aupor
2.1.1.4	Access to hazardous voltage circuit wiring	abote Ans sotek Anbot	N/A
2.1.1.5	Energy hazards:	Anbote And otek An	potek P
2.1.1.6	Manual controls	No such control	N/A
2.1.1.7	Discharge of capacitors in equipment	Ando	N/A
Anboten	Measured voltage (V); time-constant (s)	Tek Vupotek Vupo.	POFE
2.1.1.8	Energy hazards – d.c. mains supply	atek anbotek Anbot	N/A
otek Anb	a) Capacitor connected to the d.c. mains supply:	The stek abotek Anbor	N/A
inbotek P	b) Internal battery connected to the d.c. mains supply:	Anbotek Anbotek An	N/A
2.1.1.9	Audio amplifiers	Anbotek Anbote	N/A
2.1.2	Protection in service access areas	No services access areas	N/A
2.1.3	Protection in restricted access locations	Equipment not intended to used in restricted access locations	N/A

2.2	SELV circuits	Anbote	And	nbotek	nbor P
2.2.1	General requirements	Anboten	Anbo	abotek	Antiplie
2.2.2	Voltages under normal conditions (V)	Anbole	Yupo.	A botek	Rhote



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Aupo	IEC 60950-1	And ak hotek	Anbote
Clause	Requirement – Test	Result - Remark	Verdict
Anbore	Mark Androick hot Al-		. 9. 5.10
2.2.3	Voltages under fault conditions (V)		Р
2.2.4	Connection of SELV circuits to other circuits:		Р
otek	Anbotek Anbo		V
2.3	TNV circuits		N/A
2.3.1	Limits Andrew Andrew	No TNV circuits	N/A
Aupo	Type of TNV circuits	otek Anbor Am	- An
2.3.2	Separation from other circuits and from accessible parts	Inpotek Anboto And	√ N/A
2.3.2.1	General requirements	70. DV.	N/A
2.3.2.2	Protection by basic insulation		N/A
2.3.2.3	Protection by earthing		N/A
2.3.2.4	Protection by other constructions:	64	N/A
2.3.3	Separation from hazardous voltages		N/A
stek or	Insulation employed:	00	
2.3.4	Connection of TNV circuits to other circuits	r cek abote At	N/A
'up rek	Insulation employed	Anbo Lek Botek	Anbore
2.3.5	Test for operating voltages generated externally	Aupon K Motek	N/A
Auporo	ok hotek Anbote Anb	otek Anbore Ann	ant
2.4	Limited current circuits	abotek Anbotes Anb	N/A
2.4.1	General requirements	No limited current circuits	N/A
2.4.2	Limit values	Anbotek An	N/A
notek	Frequency (Hz)	vupore _k	Aupor-
Pun notek	Measured current (mA):	alek anbotek	Aupore
Augo	Measured voltage (V):	rey Wung, rek spokek	Fup
PUPP	Measured circuit capacitance (nF or μF)	botek Aupor Au	0K b
2.4.3	Connection of limited current circuits to other circuits	Anbotek Anbotek An	N/A
neck	Anbotek Anbotek Anbotek	Anno rek abotek	Anbore
2.5	Limited power sources	Anbo ak botek	AUL
Pupo	a) Inherently limited output	ek Wupon Wurek	Pho
Anbou	b) Impedance limited output	botek Aupore Aug	N/A
tek Aut	c) Regulating network limited output under normal operating and single fault condition	(See table 2.5)	otek P
Ipo.	Use of integrated circuit (IC) current limiters	Anbor An wotek	N/A
Aupor	d) Overcurrent protective device limited output	Anbote Am	N/A
Anbote	Max. Output voltage (V), max. Output current (A), max. Apparent power (VA)	ek Anboten Anbotek	Anbo
100	100 140 No.	MOV. PUL.	4-

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Anbor	IFO COOFO 4	Augoro Aug	Netodek
Anbotek	IEC 60950-1	The Vaporek Vupor	V.,
Clause	Requirement – Test	Result - Remark	Verdict
tek Aupot	Current rating of overcurrent protective device (A).:		b
iposo, Yu	Use of integrated circuit (IC) current limiters		N/A
Anborek	And tek potek		ek
2.6	Provisions for earthing and bonding	ek P	N/A
2.6.1	Protective earthing	Class III equipment	N/A
2.6.2	Functional earthing	sek abotek Anbote	N/A
lbotek Ant	Use of symbol for functional earthing	ruporek Vupotek Vupo	N/A
2.6.3	Protective earthing and protective bonding conductors		N/A
2.6.3.1	General		N/A
2.6.3.2	Size of protective earthing conductors	ex	N/A
ek Anbor	Rated current (A), cross-sectional area (mm²), AWG:	00	8 _K ^V .
2.6.3.3	Size of protective bonding conductors	r Lok bote Ar	N/A
Anbotek P	Rated current (A), cross-sectional area (mm²), AWG:	Anbotek Anbotek	Anbore*
Anbotek	Protective current rating (A), cross-sectional area (mm²), AWG	tek Anbotek Anbotek	Vupo,
2.6.3.4	Resistance of earthing conductors and their terminations; resistance (Ω), voltage drop (V), test current (A), duration (min)	Anbotek Anbotek Anbot	N/A
2.6.3.5	Colour of insulation:	Wings W.	N/A
2.6.4	Terminals	Anbor	N/A
2.6.4.1	General	tek Anbotek Anbote	N/A
2.6.4.2	Protective earthing and bonding terminals	tek abotek Anbotes	N/A
otek Anbo	Rated current (A), type, nominal thread diameter (mm)	Anbotek Anbotek Anbot	otek An
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	Anbotek Anbotek	N/A
2.6.5	Integrity of protective earthing	Anbo tek abotek	N/A
2.6.5.1	Interconnection of equipment	ek Aupo tak hotek	N/A
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	potek Anbotek Anbote	N/A
2.6.5.3	Disconnection of protective earth	Anbotek Ant	N/A
2.6.5.4	Parts that can be removed by an operator	Anbo Ak hotek	N/A
2.6.5.5	Parts removed during servicing	Anbor An Sotek	N/A
2.6.5.6	Corrosion resistance	sk Aupoten Yunn	N/A
2.6.5.7	Screws for protective bonding	tek above And	N/A

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	IEC 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
2.6.5.8	Reliance on telecommunication network or cable distribution system		N/A
poter Ar	stek shotek A.		
2.7	Overcurrent and earth fault protection in primary ci	ircuits	N/A
2.7.1	Basic requirements	Class III equipment	N/A
Anbotek	Instructions when protection relies on building installation	otek Anbotek Anbotek	N/A
2.7.2	Faults not simulated in 5.3.7	upotek Anbo sek abo	[∞] N/A
2.7.3	Short-circuit backup protection	"ofek Aupore Min	N/A
2.7.4	Number and location of protective devices:		N/A
2.7.5	Protection by several devices		N/A
2.7.6	Warning to service personnel:		N/A
K Pok	9k Vupore	, or	Ani
2.8	Safety interlocks	90	N/A
2.8.1	General principles	No safety interlocks	N/A
2.8.2	Protection requirements	Auporen Hupo Hek	N/A
2.8.3	Inadvertent reactivation	Anbotek Anbotek	N/A
2.8.4	Fail-safe operation	tek Anbotek Anbox	N/A
K Anbote	Protection against extreme hazard	otek Anbotek Anbot	N/A
2.8.5	Moving parts	otek Anbotek Anbo	N/A
2.8.6	Overriding	Anbu ak abotek An	N/A
2.8.7	Switches and relays and their related circuits	potek	N/A
2.8.7.1	Separation distances for contact gaps and their related circuits (mm):	tek Anbotek Anbotek	N/A
2.8.7.2	Overload test	otek Anbotek Anbot	N/A
2.8.7.3	Endurance test	otek Anbotek Anbot	N/A
2.8.7.4	Electric strength test	Anbo tek abotek An	N/A
2.8.8	Mechanical actuators	Aupo, Kek upotek	N/A
Anbo	abotek Anbotek Anbotek	Anbo tek shotek	Anbote
2.9	Electrical insulation	tek Aupor Au	N/A
2.9.1	Properties of insulating materials	botek Anborr An	N/A
2.9.2	Humidity conditioning	anbotek Anbote Ano	N/A
botek A	Relative humidity (%), temperature (°C)	abotek Anboten Anh	· ote l
2.9.3	Grade of insulation	botek Anbotek	N/A
2.9.4	Separation from hazardous voltages	-k notek Anbotek	N/A
Pro.	Method(s) used	Ann Loke Botek	Anbo

Shenzhen Anbotek Compliance Laboratory Limited

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poter	IEC 60950-1	bu.
Clause	Requirement – Test Result - Remark	Verdict
2.10	Clearences are anged distances and distances through insulation	NI/A
2.10.1	Clearances, creepage distances and distances through insulation	N/A
DOL MI	General	N/A
2.10.1.1	Frequency	N/A
2.10.1.2	Pollution degrees	N/A
2.10.1.3	Reduced values for functional insualtion	N/A
2.10.1.4	Intervening unconnected conductive parts	N/A
2.10.1.5	Insulation with varying dimensions	N/A
2.10.1.6	Special separation requirements	N/A
2.10.1.7	Insulation in circuits generating starting pulses	N/A
2.10.2	Determination of working voltage	N/A
2.10.2.1	General	N/A
2.10.2.2	RMS working voltage	N/A
2.10.2.3	Peak working voltage	N/A
2.10.3	Clearances	N/A
2.10.3.1	General	N/A
2.10.3.2	Mains transient voltages	N/A
Anbore	a) AC mains supply:	N/A
K Anbote	b) Earthed d.c. mains supplies ·····:	N/A
otek Anb	c) Unearthed d.c. mains supplies ······:	N/A
sotek p	d) Battery operation:	N/A
2.10.3.3	Clearances in primary circuits	N/A
2.10.3.4	Clearances in secondary circuits	N/A
2.10.3.5	Clearances in circuits having starting pulses	N/A
2.10.3.6	Transients from a.c. mains supply	N/A
2.10.3.7	Transients from d.c. mains supply	N/A
2.10.3.8	Transients from telecommunication networks and cable distribution systems	N/A
2.10.3.9	Measurement of transient voltage levels	N/A
Aupora	a) Transients from a mains suplply	N/A
Aupore	For an a.c. mains supply	N/A
tek Aupo	For a d.c. mains supply	N/A
botek A	b) Transients from a telecommunication network.:	N/A
2.10.4	Creepage distances	N/A
2.10.4.1	General	N/A
2.10.4.2	Material group and caomparative tracking index	N/A

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F, Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86)755–26066440 Fax:(86)755–26014772 Email:service@anbotek.com



wolek.	IEC 60950-1	A. otek Anboten	Aup
Clause	Requirement – Test	Result - Remark	Verdict
K YUN	OTI 4- 48 notek Anbox		Pal
Anbe	CTI tests		
2.10.4.3	Minimum creepage distances		N/A
2.10.5	Solid insulation		N/A
2.10.5.1	General	P: V	N/A
2.10.5.2	Distances through insulation	ok notek Anboten	N/A
2.10.5.3	Insulating compound as solid insulation	ote Ann Solek Anbotek	N/A
2.10.5.4	Semiconductor devices	upote, Yup	o N/A
2.10.5.5	Cemented joints	noter Anbo A	N/A
2.10.5.6	Thin sheet material		N/A
2.10.5.7	Separable thin sheet material		N/A
hotek	Number of layers (pcs):		An
2.10.5.8	Non-separable thin sheet material	85	N/A
2.10.5.9	Thin sheet material – standard test procedure	00	N/A
Jor Will	Electric strength test	r v0tv N	botek
2.10.5.10	Thin sheet material – alternative test procedure	Anbore. And atek	N/A
Anbote.	Electric strength test	Anboten Anbo	- abote
2.10.5.11	Insulation in wound components	tek Anbotek Anbo	N/A
2.10.5.12	Wire in wound components	otek anbotek Anbot	N/A
otek onb	Working voltage	tek anbotek Anbo	N/A
rek	a) Basic insulation not under stress	And ak abotek An	N/A
'up'	b) Basic, supplemetary, reinforced insulation:	hotek	N/A
Anbotek	c) Compliance with Annex U:	ek Anbotek Anbotek	N/A
otek Anbote	Two wires in contact inside wound component; angle between 45° and 90°	botek Anbotek Anbot	N/A
2.10.5.13	Wire with solvent-based enamel in wound components	Anbotek Anbotek An	N/A
Anboro	Electric strength test	Anbotes Ann	N/A
Anboten	Routine test	sk Aupotek Aupo	N/A
2.10.5.14	Additional insulation in wound components	otek Anbotek Anbore	N/A
tek kupo	Working voltage	otek anbotek Anbote	N/A
tek h.	- Basic insulation not under stress:	Antio Antion Anti	N/A
VPO. V	- Supplemetary, reinforced insulation:	Anbor All hotek	N/A
2.10.6	Construction of printed boards	Anbore And wotek	N/A
2.10.6.1	Uncoated printed boards	K Anbotes Anb	N/A

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W. Potek	IEC 60950-1	An otek Anbotek	Anbo
Clause	Requirement – Test	Result - Remark	Verdict
Anb	y otek Anbott		dns
2.10.6.2	Coated printed boards		N/A
2.10.6.3	Insulation between conductors on the same inner surface of a printed board		N/A
2.10.6.4	Insulation between conductors on different layers of a printed board	16 PA	N/A
Air	Distance through insulation	K otek Anbotek	N/A
N VIII	Number of insulation layers (pcs)	ore, Yup tek upotek	N/A
2.10.7	Component external terminations	Anbotek Anbo tek abo	N/A
2.10.8	Tests on coated printed boards and coated components	notek Anbo	N/A
2.10.8.1	Sample preparation and preliminary inspection		N/A
2.10.8.2	Thermal conditioning		N/A
2.10.8.3	Electric strength test	's _K	N/A
2.10.8.4	Abrasion resistance test	no	N/A
2.10.9	Thermal cycling		N/A
2.10.10	Test for Pollution Degree 1 environment and insulating compound	Anbotek Anbotek	N/A
2.10.11	Tests for semiconductor devices and cemented joints	tek Anbotek Anbotek	N/A
2.10.12	Enclosed and sealed parts	tek abotek Anbot	N/A

3	WIRING, CONNECTIONS AND SUPPLY		Por P
3.1	General	hotek	Anbore P
3.1.1	Current rating and overcurrent protection	k kotek	AnPiten
3.1.2	Protection against mechanical damage	octek Anbore K Ant	Papote
3.1.3	Securing of internal wiring	botek Anbote And	X P nb
3.1.4	Insulation of conductors	hotek Anboten Anbo	rek P
3.1.5	Beads and ceramic insulators	An Anbotek Anbotek	N/A
3.1.6	Screws for electrical contact pressure	No screws are used as electrical connections	N/A
3.1.7	Insulating materials in electrical connections	olek Anbotek Anbo	N/A
3.1.8	Self-tapping and spaced thread screws	No such screws	N/A
3.1.9	Termination of conductors	Arb. otek Anbotek Anbot	P
rek	10 N pull test	Anbo tek abotek Ant	P A
3.1.10	Sleeving on wiring	Anbo. Al botek	N/A
	10.1	21.0	- 10

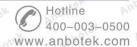
3.2	Connection to a mains supply	'Upo	abotek	Aupore	Aug	N/A
3.2.1	Means of connection	Anbo	abotek.	Anbote	Amb	N/A



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All. Potek	IEC 60950-1	And otek Anbotek	Aupor
Clause	Requirement – Test	Result - Remark	Verdict
Ann	W wortek Anbor		dag
3.2.1.1 pho	Connection to an a.c. mains supply		N/A
3.2.1.2	Connection to a d.c. mains supply		N/A
3.2.2	Multiple supply connections		N/A
3.2.3	Permanently connected equipment		N/A
Anbotek	Number of conductors, diameter of cable and conduits (mm):	otek Anbotek Anbotek	N-pore
3.2.4	Appliance inlets	stek Anbotek Anbot	N/A
3.2.5	Power supply cords	rupe rek upotek Aupo	N/A
3.2.5.1	AC power supply cords	2,0	N/A
YUD.	Type:		
Anbotek	Rated current (A), cross-sectional area (mm²), AWG:		Arraoter
3.2.5.2	DC power supply cords		N/A
3.2.6	Cord anchorages and strain relief	90	N/A
20. by.	Mass of equipment (kg), pull (N)	r ok boto Ar	bore
Aupon	Longitudinal displacement (mm):	Aupor K Am	anboten
3.2.7	Protection against mechanical damage	Anbote Ans otek	N/A
3.2.8	Cord guards	rek Anbotes Anbo	N/A
Aupore	Diameter or minor dimension D (mm); test mass (g):	"potek Vupoje, Vupoj	8k - br
o. V.	Radius of curvature of cord (mm)	Anbore K notek An	potek
3.2.9	Supply wiring space	Vub.	N/A

3.3 Anbotes	Wiring terminals for connection of external conduc	etors Andrew	N/A
3.3.1	Wiring terminals	No such wiring terminals	N/A
3.3.2	Connection of non-detachable power supply cords	Anbotek Anbotek Anbot	N/A
3.3.3	Screw terminals	Anbotek Anbo. Ak	N/A
3.3.4	Conductor sizes to be connected	Anbotek Anbote	N/A
Anbotek	Rated current (A), cord/cable type, cross-sectional area (mm²):	ek Anbotek Anbotek	Anbote/
3.3.5	Wiring terminal sizes	botek Anbo Lek Bote	N/A
otek Anb	Rated current (A), type, nominal thread diameter (mm)	Anbotek Anbotek Anb	otek - A
3.3.6	Wiring terminal design	Anbo tek abotek	N/A
3.3.7	Grouping of wiring terminals	Vupo. botek	N/A
3.3.8	Stranded wire	lek Aupor Aurotek	N/A



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polen	IEC 60950-1	water Anbo	Pr.
Clause	Requirement – Test	Result - Remark	Verdict
3.4	Disconnection from the mains supply	7742	N/A
3.4.1	General requirement	Class III equipment	N/A
3.4.2	Disconnect devices	Class III equipment	N/A
3.4.3	Permanently connected equipment	No auch aguinment	N/A
3.4.4	Parts which remain energized	No such equipment	_10
3.4.5	Switches in flexible cords	No switch used	N/A N/A
3.4.6	Number of poles – single-phase and d.c. equipment	No switch used	N/A
3.4.7	Number of poles – three-phase equipment	rotek wypo k	N/A
3.4.8	Switches as disconnect devices		N/A
3.4.9	Plugs as disconnect devices		N/A
3.4.10	Interconnected equipment	No such equipment	N/A
3.4.11	Multiple power sources	Tto dustroquipment	N/A
otek ar	Multiple power sources	po'	84 14/1
3.5	Interconnection of equipment	r cek spore Ar	P.
3.5.1	General requirements	Anhore An notek	Anboten P
3.5.2	Types of interconnection circuits:	Connect to SELV circuits	ATPOLE
3.5.3	ELV circuits as interconnection circuits	No ELV circuit	N/A
3.5.4	Data ports for additional equipment	abotek Anboter And	N/A
otek An	butte. August August August August 1	potek Anbotek Anbo	atek
4 botek	PHYSICAL REQUIREMENTS	All Lok Anbotek An	Р
4.1o ^{tok}	Stability	Anbotek	N/A
hotek	Angle of 10°	Approx. 0.208Kg	N/A
r har	Test force (N):	ter And otek Anbotek	N/A
brug.	otek Anbotek Anbos ok botek A	upotek Aupo	Sk by
4.2	Mechanical strength	Anborek Anbo rek an	otek P
4.2.1	General	Aupotes, Vunor VI.	N/A
4.2.2	Steady force test, 10 N	Anbotek Anbot	Brek
4.2.3	Steady force test, 30 N	ek Anbotek Anbote	N/A
4.2.4	Steady force test, 250 N	tek abotek Anbote	P
4.2.5	Impact test	bo tek abotek Anbote	N/A
* ek	Fall test	Anbor Ant Hotek Ant	N/A
upos	Swing test	Anbore Ane wotek	N/A
4.2.6	Drop test; height (mm):	1m, 3 times	AnbPiek
4.2.7	Stress relief test	70℃, 7h	Phot
4.2.8	Cathode ray tubes	sek aboter Anbot	N/A



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Aur	IEC 60950-1	And otek Anbotek	Anbor
Clause	Requirement – Test	Result - Remark	Verdict
Aug	Mek Anbot		do
	Picture tube separately certified:		N/A
4.2.9	High pressure lamps	No high pressure lamps in the equipment.	N/A
4.2.10	Wall or ceiling mounted equipment; force (N):	Not intended to be mounted on a wall or ceiling.	N/A
4.2.11	Rotating solid media	otek unbotek	N/A
Ann	Test to cover on the door:	oter Andrew	N/A

4.3	Design and construction	noter Anbo	re ^k P
4.3.1	Edges and corners	The outer surface of the equipment is smooth	₽¥
4.3.2	Handles and manual controls; force (N):		N/A
4.3.3	Adjustable controls	No adjustable controls	N/A
4.3.4	Securing of parts	-0	e ^V P
4.3.5	Connection by plugs and sockets		N/A
4.3.6	Direct plug-in equipment	hotek Anbore Ar	N/A
notek	Torque:	Anbotek Anbotek	Anbo
Anbotek	Compliance with the relevant mains plug standard	tek Anbotek Anbotek	N/A
4.3.7	Heating elements in earthed equipment	No such elements	N/A
4.3.8	Batteries Annual	notek Anbotek Anbo	P
wotek a	- Overcharging of a rechargeable battery	And Lok anbotek An	P
Anbotek	- Unintentional charging of a non-rechargeable battery	Anbotek	N/A
Anboten	- Reverse charging of a rechargeable battery	Tek Vuporek Vupo.	P
k Aupolek	- Excessive discharging rate for any battery	atek anbotek Anbo	v. P
4.3.9	Oil and grease	No oil and grease	N/A
4.3.10	Dust, powders, liquids and gases	No dust, powders, liquids and gases	N/A
4.3.11	Containers for liquids or gases	No such containers	N/A
4.3.12	Flammable liquids:	No flammable liquid	N/A
hotek	Quantity of liquid (I):	tak abotek Anbotes	N/A
rek abo	Flash point (°C)	box An botek Anbote	N/A
4.3.13	Radiation	Anbor An notek ant	N/A
4.3.13.1	General	Aupores Aug ofek	N/A
4.3.13.2	lonizing radiation	No ionizing radiation	N/A
Anborok	Measured radiation (pA/kg)	ek Aupoten Yupo	-700
nbotek	Measured high-voltage (kV):	rek abotek Anbot	

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	IEC 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
Aug	otek Anbot		10.0
tek Anbot	Measured focus voltage (kV):		
	CRT markings		
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	No ultraviolet radiation	N/A
Anbotek	Part, property, retention after test, flammability classification	k k. ok	N/A
4.3.13.4	Human exposure to ultraviolet (UV) radiation:	otek Anbotek Anbot	N/A
4.3.13.5	Lasers (including laser diodes) and LEDs	tek abotek Anbote	N/A
4.3.13.5.1	Lasers (including laser laser diodes)	rupo rek spotek Vupo	N/A
10K	Laser class	WO. Dy.	F 67
4.3.13.5.2	Light emitting diodes (LEDs)		SW
4.3.13.6	Other types:		N/A

4.4	Protection against hazardous moving parts		N/A
4.4.1	General	00	N/A
4.4.2	Protection in operator access areas:	r stek anbote Ar	N/A
Anbotek	Household and home/office document/media shredders	(see Annex EE)	N/A
4.4.3	Protection in restricted access locations:	tek anbotek Anbou	N/A
4.4.4	Protection in service access areas	tek abotek Anboro	N/A
4.4.5	Protection against moving fan blades	hoo sek abotek Anboi	N/A
4.4.5.1	General	Anbo Ak hotek An	N/A
Aupon b	Not considered to cause pain or injury. a):	Andrek	N/A
Aupor	Is considered to cause pain, not injury. b):	And	N/A
Aupore	Considered to cause injury. c):	lek Anbores Anb	N/A
4.4.5.2	Protection for users	hotek Anboten Anto	N/A
otek Anb	Use of symbol or warning:	notek Anbotek Anbo	N/A
4.4.5.3	Protection for service persons	And otek Anbotek An	N/A
Ame	Use of symbol or warning:	And tek upotek	N/A

4.5 And	Thermal requirements	tek Anbo ek Anbotek	Ribote
4.5.1	General	botek Anbo ak hote	K P Anb
4.5.2	Temperature tests	anbotek Anbot An	otek P
inbotek A	Normal load condition per Annex L:	nbotek Anbote An	μοte ^{γ-}
4.5.3	Temperature limits for materials	(see appended table 4.5)	Pek
4.5.4	Touch temperature limits	(see appended table 4.5)	And P
4.5.5	Resistance to abnormal heat:	Am otek Ambotek	N/A

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	IEC 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
And	y ntek Anbot		dna
4.6	Openings in enclosures		N/A
4.6.1	Top and side openings		N/A
otek	Dimensions (mm)		V
4.6.2	Bottoms of fire enclosures		N/A
Anbo	Construction of the bottomm, dimensions (mm) .:	k by notek	Ambote
4.6.3	Doors or covers in fire enclosures	otek Anbore K An	N/A
4.6.4	Openings in transportable equipment	botek Anbote Ant	N/A
4.6.4.1	Constructional design measures	Lotek Anboter Anb	N/A
notek	Dimensions (mm)		
4.6.4.2	Evaluation measures for larger openings		N/A
4.6.4.3	Use of metallized parts		N/A
4.6.5	Adhesives for constructional purposes	e _K	N/A
V Vupos	Conditioning temperature (°C), time (weeks):		eV V9

4.7	Resistance to fire		- Br
4.7.1	Reducing the risk of ignition and spread of flame	All hotek Anbotek	Anbe P .ek
Anbotek	Method 1, selection and application of components wiring and materials	(see appended table 4.7)	ArP Anbot
ek Aupo,	Method 2, application of all of simulated fault condition tests	Ibotek Anbotek Anbot	N/A
4.7.2	Conditions for a fire enclosure	Anbore And otek An	otek P
4.7.2.1	Parts requiring a fire enclosure	Ande	nbotP'
4.7.2.2	Parts not requiring a fire enclosure	Anbo	N/A
4.7.3	Materials Materials	tek upotek Aupor	Pr.
4.7.3.1	General	PCB:V-0	P
4.7.3.2	Materials for fire enclosures	(see appended table 1.5.1)	P Ant
4.7.3.3	Materials for components and other parts outside fire enclosures	Anbotek Anbotek An	lotek b l
4.7.3.4	Materials for components and other parts inside fire enclosures	(see appended table 1.5.1)	N/A
4.7.3.5	Materials for air filter assemblies	No air filter assemblies.	N/A
4.7.3.6	Materials used in high-voltage components	No high-voltage components	N/A

5 otek	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS	
5.1	Touch current and protective conductor current	N/A
5.1.1	General	N/A
5.1.2	Configuration of equipment under test (EUT)	N/A



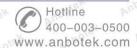
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hotek	IEC 60950-1	A notek anboter	Ann
Clause	Requirement – Test	Result - Remark	Verdict
5.1.2.1	Single connection to an a.c. mains supply		N/A
5.1.2.2	Redundant multiple connections to an a.c. mains supply		N/A
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply		N/A
5.1.3	Test circuit	tek nbotek	N/A
5.1.4	Application of measuring instrument	otek Anbos rek spotek	N/A
5.1.5	Test procedure	upotek Aupor An	[™] N/A
5.1.6	Test measurements	motely Aupolo Aug	N/A
nbotek	Supply voltage (V)::		- ₅ /4
botek	Measured touch current (mA):		
hotek	Max. Allowed touch current (mA):		Vunor
N Man	Measured protective conductor current (mA):	8/4	-201
Ann	Max. Allowed protective conductor current (mA).:	oo	ek
5.1.7	Equipment with touch current exceeding 3,5 mA		N/A
5.1.7.1	General:	anbotek Anbot A	N/A
5.1.7.2	Simultaneous multiple connections to the supply	abotek Anbote	N/A
5.1.8	Touch currents to telecommunication networks and cable distribution systems and from telecommunication networks	tek Anbotek Anbotek	N/A
5.1.8.1	Limitation of the touch current to a telecommunication network or to a cable distribution system	Anbotek Anbotek Anbotek	N/A
notek.	Supply voltage (V):	Anbotel ⁴	Yupor-
Pur Otek	Measured touch current (mA):	i nbotek	Aupore
Pup.	Max. Allowed touch current (mA):	tek abotek	A Wp
5.1.8.2	Summation of touch currents from telecommunication networks	potek Anbotek Anbote	N/A
work a	a) EUT with earthed telecommunication ports:	Am otek Anbotek Ant	N/A
Anbotek	b) EUT whose telecommunication ports have no reference to protective earth	Anbotek Anbotek	N/A
Pupole	And otek anaotek Anaooti Ani	tak Anbotak Anba-	
5.2 Anbotek	Electric strength	otek Ambotek Ambote	N/A
5.2.1	General	or h. abotek Anbote	N/A
5.2.2	Test procedure	Aupo, W. Stokek Wup	N/A
ipor V	Lotek Anboten Anbo Lok botek	Anbote And atek	nbotek
5.3	Abnormal operating and fault conditions	Anboten Anbo	- abBek
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F, Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86)755–26066440 Fax:(86)755–26014772 Email:service@anbotek.com



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	IEC 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
Aug	V otek Anbot		10-0
5.3.2	Motors		N/A
5.3.3	Transformers		N/A
5.3.4	Functional insulation:	By Short circuit	Р
5.3.5	Electromechanical components		Р
5.3.6	Audio amplifiers in ITE:	k by boyek	N/A
5.3.7 ×1000	Simulation of faults	otek Anbore Ans	Pank
5.3.8	Unattended equipment	abotek Anbote Anti-	ω ^κ N/A
5.3.9	Compliance criteria for abnormal operating and fault conditions	notek Anbotes Ant	»«VP
5.3.9.1	During the tests		P
5.3.9.2	After the tests	No hazards.	Bote

6 Anbote	CONNECTION TO TELECOMMUNICATION NET	WORKS	N/A
6.16 Anb	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment	Anbotek Anbote An	N/A
6.1.1	Protection from hazardous voltages	Anbore K Ans Lotek	N/A
6.1.2	Separation of the telecommunication network from earth	tek Anbotek Anbotek	N/A
6.1.2.1	Requirements	Not connect to telecommunication networks	N/A
abotek A	Supply voltage (V):	H. Lok Anbote, An	, , , , ,
P. Potek	Current in the test circuit (mA):	Anbotek	Aupo-
6.1.2.2	Exclusions	v ozek anbotek	N/A

6.2 Amb	Protection of equipment users from overvoltages on telecommunication networks	N/A
6.2.1	Separation requirements	N/A
6.2.2	Electric strength test procedure	N/A
6.2.2.1	Impulse test	N/A
6.2.2.2	Steady-state test	N/A
6.2.2.3	Compliance criteria	N/A
6.3	Protection of the telecommunication wiring system from overheating	N/A
ote. And	Max. Output current (A):	otek A
inpoter A	Current limiting method:	notek

	7	abotek	CONNECTION TO	O CABLE DIS	STRIBUTION S	SYSTI	EMS	N/A
o'ce	7.1	Anbotek	General	Anbotek	Anbotek	Vupo,	Not connect to cable distribution system	N/A



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A. Potek	IEC 60950-1	An otek Anhotek	Aupo.
Clause	Requirement – Test	Result - Remark	Verdict
Vun	t otek anbot	100	do
7.2 Anbo	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment		N/A
7.3	Protection of equipment users from overvoltages on the cable distribution system	gr pr. r	N/A
7.4 Ambotek	Insulation between primary circuits and cable distribution systems	hotek Anbotek Anbote	N/A
7.4.1	General	nbotek Anbot An	o [™] N/A
7.4.2	Voltage surge test	notek Anbore Ann	N/A
7.4.3	Impulse test		N/A

A Amer	ANNEX A, TESTS FOR RESISTANCE TO HEAT	AND FIRE	N/A
A.1	Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2)	e ^k	N/A
A.1.1	Samples	N	potek-
Anbore	Wall thickness (mm)	Aupoten Aupo	Notok.
A.1.2	Conditioning of samples; temperature (°C):	Anbotek Anbou	N/A
A.1.3	Mounting of samples	rek abotek Anbote	N/A
A.1.4	Test flame (see IEC 60695-11-3)	ok hotek Anbotes	N/A
	Flame A, B, C or D	hote k notek Anbot	AT
A.1.5	Test procedure	Anbores Anbo	N/A
A.1.6	Compliance criteria	Ande	N/A
Aupolei	Sample 1 burning time (s)	Aupo.	"Olek
Anbotek	Sample 2 burning time (s)	ek abotek Anbote	PU
K Spore	Sample 3 burning time (s)		VUD
A.2	Flammability test for fire enclosures of movable eq not exceeding 18 kg, and for material and componenclosures (see 4.7.3.2 and 4.7.3.4)	uipment having a total mass	N/A
A.2.1	Samples, material:	Anbore An hotek	
Aupor	Wall thickness (mm)		
A.2.2	Conditioning of samples; temperature (°C):	ek Anboten Anbo	N/A
A.2.3	Mounting of samples:	otek Anbotek Anbo	N/A
A.2.4	Test flame (see IEC 60695-11-4)	otek Anbotek Anbot	N/A
tek	Flame A, B or C	Anbo tek abotek Ant	0,00
A.2.5	Test procedure	Anbox All notek	N/A
	Act The Control of th	7000 PG	
A.2.6	Compliance criteria	And K Kotok	N/A
A.2.6	Compliance criteria Sample 1 burning time (s)	ek Anbotek Anbotek	N/A



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	IEC 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
Aug.	V Otek Anboth		10-
cek Anbol	Sample 3 burning time (s):		
A.2.7	Alternative test acc. To IEC 60695-11-5, cl. 5 and 9		N/A
Anbote.	Sample 1 burning time (s)		-18K
Anbotek	Sample 2 burning time (s)	k 80. W	- LOVE
anbotek	Sample 3 burning time (s)	tek abotek Anbote	Vien
A.3	Hot flaming oil test (see 4.6.2)	ok hotek Anbote	N/A
A.3.1	Mounting of samples	inport Am	N/A
A.3.2	Test procedure	moter And	N/A
A.3.3	Compliance criterion		N/A

B Anbotek	ANNEX B, MOTOR TESTS UNDER ABNORMAL (5.3.2)	CONDITIONS (see 4.7.2.2 and	N/A		
B.1	General requirements	20	^M N/A _M		
potek Anb	Position	Inside enclosure	otek		
abotek A	Manufacturer (see appended table 1.5.1)				
notek	Type	(see appended table 1.5.1)	Anbo Lok		
Arr otek	Rated values	(see appended table 1.5.1)	Vupo.		
B.2	Test conditions	ter Anbo tek abotek	N/A		
B.3	Maximum temperatures	abotek Anbounk An	N/A		
B.4	Running overload test	abotek Anbote Am	N/A		
B.5	Locked-rotor overload test	Anboton An	N/A		
notek	Test duration (days)	Anbotek	Aupo.		
Annatek	Electric strength test: test voltage (V)	tek upotek	Auporo		
B.6	Running overload test for d.c. motors in secondary circuits				
B.6.1	General	otek Anbotek Anbo	N/A		
B.6.2	Test procedure	And tek abotek Ani	N/A		
B.6.3	Alternative test procedure	Anbou An hotek	N/A		
B.6.4	Electric strength test; test voltage (V)	Anbor K An wotek	N/A		
B.7 Anbotek	Locked-rotor overload test for d.c. motors in secondary circuits	ek Anbotek Anbotek	N/A		
B.7.1	General Market M	bote Augustek Aupote	N/A		
B.7.2	Test procedure	Anbotos Ann otek Anh	N/A		
B.7.3	Alternative test procedure	Anbotes Anbotes	N/A		
B.7.4	Electric strength test; test voltage (V)	Anbotek Anbo.	N/A		
B.8	Test for motors with capacitors	(see appended table 5.3)	N/A		
B.9	Test for three-phase motors	(see appended table 5.3)	N/A		



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	IEC 60950-1	
Clause	Requirement – Test Result - Remark	Verdict
B.10	Test for series motors	N/A
D.10 Anv	Operating voltage (V)	19/7
poter An	Operating voltage (v)	
Cupatek k	ANNEY C. TRANSCORMERS (see 4.5.4 and 5.2.2)	N/A
abotek	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3) Position	IN/A
A, potok	Manufacturer	PUDO
K WOLE	Type	P.O.
And	tell stabole Ann at hotel into An tell abo	ek -
oten Ant	Rated values	V
C.1	Method of protection	 N1/0
100	Overload test	N/A
C.2	Insulation	N/A
N VUL	Protection from displacement of windings	N/A
Anbo	1 st	49
Diek Anb	ANNEX D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS (see 5.1.4)	N/A
D.1	Measuring instrument	N/A
D.2 _{nb} oter	Alternative measuring instrument	N/A
Anbotek	Anbot Anbotek Anbotek Anbotek Anbotek Anbotek	br.
E abote	ANNEX E, TEMPERATURE RISE OF A WINDING (see 1.4.13)	N/A
'ak 'b'	otek Anbote Ann tek nbotek Anbot K antotek Anbot	er t
F And	ANNEX F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES (see 2.10 and Annex G)	N/A
worek.	Aupore Aupo, Potek Vipo, Potek	Aupor
G Anbatak	ANNEX G, ALTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES	N/A
G.1 nbotel	Clearances	N/A
G.1.1	General	N/A
G.1.2	Summary of the procedure for determining minimum clearances	N/A
G.2	Determination of mains transient voltage (V)	N/A
G.2.1	AC mains supply	N/A
G.2.2	Earthed d.c. mains supplies	N/A
G.2.3	Unearthed d.c. mains supplies	N/A
	Battery operation	N/A
G.2.4	Dattery Operation	Total Control
- Y	Determination of telecommunication network transient voltage (V)	N/A
G.2.4 G.3	Determination of telecommunication network transient voltage (V)	N/A N/A
G.2.4	Determination of telecommunication network	upo.



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	IEC 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
G.4.3	Combination of transients	140	NI/A
G.4.3 G.4.4	West Pub.		N/A
DOT - AT	Transients from cable distribution systems		N/A
G.5	Measurement of transient voltages (V)		N/A
Abotek.	a) Transients from a mains supply	/e by.	N/A
W. Potok	For an a.c. mains supply	K otek Amotek	N/A
Ann	For a d.c. mains supply	oten Anbo tek abotek	N/A
anbo Anbo	b) Transients from a telecommunication network	upotek Aupor Air	N/A
G.6	Determination of minimum clearances	notek Anbore Ann	N/A
abotek.	upote. And		BY-
Horek	ANNEX H, IONIZING RADIATION (see 4.3.13)		N/A
Ann	- Negtek		Angoli
Anbo	ANNEX J, TABLE OF ELECTROCHEMICAL POT	ENTIALS (see 2.6.5.6)	N/A
K Anbor	Metal(s) used	Steel	Yo
otek on	oten And	90	N.
K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and	5.3.8)	N/A
K.1	Making and breaking capacity	No thermostat and temperatrue limiter used for thermal control circuit	N/A
K.2	Thermostat reliability; operating voltage (V):	itek Anboten Anbotek	N/A
K.3	Thermostat endurance test; operating voltage (V)	abotek Anbotek Anbot	N/A
K.4	Temperature limiter endurance; operating voltage (V)	Anborek Anborek An	N/A
K.5	Thermal cut-out reliability	Anbore	N/A
K.6	Stability of operation	ok hotek Anboten	N/A
Pri.	K Aupores Aupor	And Stek Anbotek	AUD
L And	ANNEX L, NORMAL LOAD CONDITIONS FOR SOBUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.2)	OME TYPES OF ELECTRICAL	N/A
L. Itek	Typewriters	An Anboten An	N/A
L.2 otek	Adding machines and cash registers	And otek Anbotek	N/A
L.3	Erasers	Anbo tek abotek	N/A
L.4 Anbov	Pencil sharpeners	ek Aupor Ali notek	N/A
L.5 Anboto	Duplicators and copy machines	potek Anbore And	N/A
L.6 And	Motor-operated files	potek Aupoten Aupo	N/A
L.7 [®] A	Other business equipment	Ant Anbotek Ant	N/A
Wek.	Anbore Ambatek	rek sporek	YUPO GIV
Pupo.	ANNEX M, CRITERIA FOR TELEPHONE RINGIN	a arahara araharan	N/A
M "otek	TANKIEV M. CDITEDIA EOD TELEBIJONE BINIONI		

Shenzhen Anbotek Compliance Laboratory Limited

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Ville	IEC 60950-1	Mar Vanager Vula	
Clause	Requirement – Test	Result - Remark	Verdict
M.2	Method A		N/A
M.3	Method B		N/A
M.3.1	Ringing signal		N/A
M.3.1.1	Frequency (Hz)		
M.3.1.2	Voltage (V)	e. b. sak	10 ct.
M.3.1.3	Cadence; time (s), voltage (V)		b11.
M.3.1.4	Single fault current (mA)	19 10 10 10 10 10 10 10 10 10 10 10 10 10	ν Μυ
M.3.2	Tripping device and monitoring voltage	TUD FOX SOL	N/A
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage	5.07	N/A
M.3.2.2	Tripping device		N/A
M.3.2.3	Monitoring voltage (V)	aWa	N/A
anb	Anti-	· · · · · · · · · · · · · · · · · · ·	ok Par
Nek P	ANNEX N, IMPULSE TEST GENERATORS (see 6.2.2.1, 7.3.2, 7.4.3 and Clause G.5)	1.5.7.2, 1.5.7.3, 2.10.3.9,	N/A
N.1	ITU-T impulse test generators	Anbotek Anbo Lek	N/A
N.2	IEC 60065 impulse test generator	Anbotek Anbo	N/A
, upoter	Anbo K hotek Anbote Anb	tek abotek Anbot	ber.
P .nbc	ANNEX P, NORMATIVE REFERENCES	Do. Mr. Potek Viboter	- Vus
1	of a company of the c	140° 14°	
			P
Q A	ANNEX Q, Voltage dependent resistors (VDRs) (s	see 1.5.9.1)	N/A
Q k	ANNEX Q, Voltage dependent resistors (VDRs) (s		N/A N/A
Q Anbotek	A TOWN AND THE PARTY OF THE PAR	Considered	
Auporek Wandarek	- Preferred climatic categories	Considered	N/A
Q Anborek Anborek Anborek Anborek	- Preferred climatic categories Maximum continuous voltage	Considered	N/A N/A
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material	Considered	N/A N/A N/A
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material	Considered	N/A N/A N/A
Anbotek Anbotek Anbotek Anbotek R Anbotek Anbotek	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material (min V-1) ANNEX R, EXAMPLES OF REQUIREMENTS FO	Considered	N/A N/A N/A N/A
Anbotek Anbotek R Anbotek RAnbotek RAnbotek	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material (min V-1) ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES Minimum separation distances for unpopulated	Considered	N/A N/A N/A N/A
Anbotek Anbotek R Anbotek RR.1 Anbotek	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material (min V-1) ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)	Considered	N/A N/A N/A N/A N/A
R.1	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material (min V-1) ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)	Considered OR QUALITY CONTROL	N/A N/A N/A N/A N/A
Anbotek Anbotek Anbotek Anbotek Anbotek	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material (min V-1) ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2) Reduced clearances (see 2.10.3)	Considered OR QUALITY CONTROL	N/A N/A N/A N/A N/A N/A N/A
R R.1 R.2	- Preferred climatic categories - Maximum continuous voltage Body of the VDR Test according to IEC60695-11-5 Body of the VDR. Flammability class of material (min V-1) ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2) Reduced clearances (see 2.10.3) ANNEX S, PROCEDURE FOR IMPULSE TESTING	Considered OR QUALITY CONTROL	N/A N/A N/A N/A N/A N/A N/A

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F, Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86)755–26066440 Fax:(86)755–26014772 Email:service@anbotek.com



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poter	IEC 60950-1	h.
Clause	Requirement – Test Result - Remark	Verdict
Lk Vup	ANNEX T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER (see 1.1.2)	N/A
poter P	tek hotek A	·I
Unbotek hotek	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4)	N/A
Am	(see appended table 1.5.1)	Anbor
Ann	tek Anbotek Anbo. Ak hotek Anbotek Anbotek Anbotek	K An'
V And	ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1)	N/A
V.1	Introduction	N/A
V.2	TN power distribution systems	N/A
nbotek	Anboth	OK.
W	ANNEX W, SUMMATION OF TOUCH CURRENTS	N/A
W.1	Touch current from electronic circuits	N/A
W.1.1	Floating circuits	N/A
W.1.2	Earthed circuits	N/A
W.2	Interconnection of several equipments	N/A
W.2.1	Isolation	N/A
W.2.2	Common return, isolated from earth	N/A
W.2.3	Common return, connected to protective earth	N/A
stek or	botes Anbotek Anbotes Anbotek Anbotek Anbotek Anbotek	V. P
X	ANNEX X, MAXIMUM HEATING EFFECT IN TRANSFORMER TESTS (see clause C.1)	N/A
X.1.	Determination of maximum input current	N/A
X.2 Nooten	Overload test procedure	N/A
anbot	et Anborek Anborek Anborek Anborek Anborek	Y. Dun
Yek	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONING TEST (see 4.3.13.3)	N/A
Y.1	Test apparatus:	N/A
Y.2	Mounting of test samples:	N/A
Y.3	Carbon-arc light-exposure apparatus:	N/A
Y.4 M	Xenon-arc light exposure apparatus:	N/A
Aupor	K Anbotek Anbotek Anbotek Anbotek Anbotek	48
Zek Anl	ANNEX Z, OVERVOLTAGE CATEGORIES (see 2.10.3.2 and Clause G.2)	N/A
botek	Anbote And stek anbotek Anbot An otek anbotek An	Pek.
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)	N/A
Vun.	Anbotek Anbotek Anbote Ane tek abotek	Aupore



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	IEC 60950-1	
Clause	Requirement – Test Result - Remark	Verdict
Ann	N wotek Anbor	log
CC Mupo	ANNEX CC, Evaluation of integrated circuit (IC) current limiters	N/A
CC.1	General	N/A
CC.2	Test program 1:	N/A
CC.3	Test program 2:	N/A
Aupo	tek upole An K notet Princek	abole of the same
DD Anboter	ANNEX DD, Requirements for the mounting means of rack-mounted equipment	N/A
DD.1	General	N/A
DD.2	Mechanical strength test, variable N:	N/A
DD.3	Mechanical strength test, 250N, including end stops:	N/A
DD.4	Compliance:	N/A
-otek	Anboto	Ann
EE YUR	ANNEX EE, Household and home/office document/media shredders	N/A
EE.1 Anbo	General	N/A
EE.2	Markings and instructions	N/A
botek	Use of markings or symbols:	N/A
Anbotek	Information of user instructions, maintenance and/or servicing instructions:	N/A
EE.3	Inadvertent reactivation test:	N/A
EE.4 Anbote	Disconnection of power to hazardous moving parts:	N/A
Oro VIII.	Use of markings or symbols:	N/A
EE.5	Protection against hazardous moving parts	N/A
Anbotek	Test with test finger (Figure 2A):	N/A
Hos	- 1001 Pri 1- 100 1	Plin

N/A

Test with wedge probe (Figure EE1 and EE2)

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Clause	Requirement – Test	Anbotek Anbote	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60950-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Information technology equipment - Safety -

Part 1: General requirements

Differences according to EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013

Attachment Form No..... EU_GD_IEC60950_1E

Master Attachment Date 2013-09

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EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 - CENELEC COMMON MODIFICATIONS

Clause	Requiremen	nt + Test			Result - Rema	Verdict	
otek An		Clauses, subclauses, notes, tables and figures which are additional to those in IEC60950-1 and it's amendmets are prefixed "Z"					ofe _k b
Contents (A2:2013)	Add the following annexes: Annex ZA (normative) Normative references to internat publications with their correspon publications Annex ZB (normative) Special national conditions IEC and CENELEC code design flexible cords					nding European	Anbotek Anbotek Anbo
General		the following e 2		Note 2 & 3	azeK	Note	unbotek Ambotek
	2.2.3 Not 2.3.2.1 Not 3.2.1.1 Not	e 2 2	2.2.4 2.3.4 2.10.3.2 3.2.4	Note Note 2 Note 2 Note 3.	2.3.2 2.6.3.3 2.10.5.13 2.5.1	Note Note 2 & 3 Note 3 Note 2	k Anbo
	4.7.3.1 Not 6 Not 6.2.2 Not	e 2 & 5 e 2 & 5 e 6	1.7 5.1.7.1 5.1.2.1 5.2.2.1	Note 4 Note 3 & 4 Note 2 Note 2	4.7.2.2 5.3.7 6.1.2.2 6.2.2.2	Note Note 1 Note Note	nbotek Anbotek
Anbote	7.1 Not G.2.1 Not		7.2 Annex H	Note Note 2	7.3 Anbote	Note 1 & 2	Anbo
General A1:2010)		ne "country" ne 2010) accordi		reference docur llowing list:	ment (IEC 609	950-	P
	1.5.7.1 Not 6.2.2.1 Not	:e 6	5.1.2.1 EE.3	Note 2			stek.



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botek	Anbore And	EN 60950)-1		
Clause	Requirement – Test	nbotek	Aupote,	Result - Remark	Ver
D Pri	Arboter And				An
General (A2:2013)	Delete all the "country" notes 1:2005/A2:2013) according to			ment (IEC 60950-	F
-Otek VIII	2.7.1 Note * 6.2.2. Note	2.10.3.1	Note 2		.V-
abotek	* Note of secretary: Text of 0	Common Modif	ication re	emains unchanged.	.0.
br.	Anboten Anbo	notak p	mboto	tek upotek	Pupo.
1.1.1	Replace the text of NOTE 3	by the following	T COPOLEN	Anbo, K. Molek	p.S
(A1:2010)	NOTE 3 The requirements of EN 60	0065 may also be i	used to me	eet safety requirements for multimedia dia equipment. For television sets EN	
1.3.Z1	Add the following subclause	:		W	N/
pore Ar	1.3.Z1 Exposure to excessive	e sound pressi	ure		SK
-botek	The apparatus shall be so do	•			.0
Ann	constructed as to present no		used		Andore
Anbore	for its intended purpose, eith	er in normal			
botek	operating conditions or unde				Vision
bu.	particularly providing protect				
SK VUPO	to excessive sound pressure or earphones.	s iroin neadph	ones		No.
tek	NOTE Z1 A new method of mea	acurament is dos	cribed		
DO. 10	in EN 50332-1, Sound system 6		SCHDEU		botek
abotek	Headphones and earphones as	sociated with po			tel
Pr. Ofek	audio equipment - Maximum so				Aupo
Aupo	measurement methodology and Part 1: General method for "one				dna
Aupoten	and in EN 50332-2, Sound syst	em equipment:	h.,		Pr.
// // // // // // // // // // // // //	Headphones and earphones as	sociated with po			P
Anno	audio equipment - Maximum so measurement methodology and				J. B.K.
otek an	Part 2: Guidelines to associate				Yo.
- V	coming from different manufact		1	rek an	Pose.
(A12:2011)	In EN 60950-1:2006/A12:20	10°		Ano	N/
botek	Delete the addition of 1.3.Z1	/ EN 60950-1:	2006		7115
VI.	Delete the definition of 1.2.3	.Z1 / EN 60950	-upoto		Aupo
Anbor	1:2006/A1:2010		wo!		
1.5.1	Add the following NOTE:	Anbots	Vien	ootek Anbotek Anbotek	N/
N. Pri	NOTE Z1 The use of certain su	bstances in elect	trical		8
oter Ani	and electronic equipment is res				-otek
(Added info*)	see Directive 2002/95/EC				D. A.
Ur	New Directive 2011/65/11 *	COUNT CYCT	TENA	Pupo. Viek	npoten
1.7.2.1 (A1:2010)	In addition, for a PORTABLE the instructions shall include		⊏IVI,		N/
hotek	excessive sound pressure from		and		AUDO
Vu _D	headphones can cause hear		Node .		5.0
1.7.2.1	In EN 60950-1:2006/A12:20	-00	10.33	otek Anboten Anbo	N/
(A12:2011)	Delete NOTE Z1 and the ad		ble An		
Dr. Ann	Sound System.		N _S		otek
botek	Add the following clause and	annex to the	V-		You
Un.	existing standard and amend		ote		Auporg
Anbor	Zx Protection against exceplayers		oressure	e from personal music	Anbel
11/2	Zx.1 General	Del.	- 40	" Up. K	N/





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poter	Anbo Ai stek	EN 609	950-1	notek	Anbo	br.
lause	Requirement – Test	nbotek	Anbore	Result - Remark	anbotek	Verdict
Al.	aboten Anbo					Aupor
	This sub-clause specifies protection against excessi personal music players that to the ear. It also specifies	ve sound pres at are closely o	sure from coupled			Anb
	earphones and headphone personal music players.					.ek
	A personal music player is for personal use, that:	a portable eq	uipment	k anbotek		Anboundte
	is designed to allow the us or broadcast sound or vide headphones or earphones on or around the ear; and	eo; and primar that can be w	ily users orn in or	otek Anbotek		ek Anbr
	around while in use. NOTE 1 Examples are hand- portable CD players, MP3 au phones with MP3 type feature equipment.	dio players, mol	bile			Anpotek Anpotek
	A personal music player a headphones intended to b music players shall comply of this sub-clause.	e used with pe	ersonal			Pupe Valor
	The requirements in this s musci or video mode only.		valid for	Anbotek An		Anbotek
	The requirements do not a	pply:		Anbo		upoter
	while the personal music pan external amplifier; or	layer is conne	ected to	Anbotek		Anbotek
	while the headphone or ea	rphones are r	not used.	rek Vupo		K Anbo
Anbote Anb	NOTE 2 An external amplifier not part of the personal music device, but which is intended standalone music player.	player or the li	stening	botek Anbot		otek Ar
	The requirements do not a	pply to:				ri.
	hearing aid equipment and equipment;		An nbotek	Anbotek		Anbotek
	NOTE 3 Professional equipm through special sale s channel through normal electronics st professional equipment.	els. All products	sold	ootek Anbote		otek Anbo
	analogue personal music players without any kind o the sound signal) that are	f digital proces	sing of	Anbotek Anb		,nhotek
	before the end of 2015.	amboten		notek		bun,
Anbotek Anbotek	NOTE 4 This exemption has this technology is falling out of that within a few years it will re exemption will not be extended	of use and it is e no longer exist.	xpected This	ek Anbotek	Anbotek Anbotek	N/A
	For equipment which is clean intended for use by young EN 71-1 apply.			Anbotek Anb		upatek bi
nbotek	Zx.2 Equipment requirent No safety provision is required complies with the following equipment provided as a provi	ıired for equipı g:		Anbotek Anbotek	Anbotek	N/A





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poler	Anbo. Al. stek	EN 60	950-1	-	otek	Anbo	Mr. Kek
Clause	Requirement – Test	nbotek	Anbore	Result	- Remark	anbotek	Verdict
All stak	Anboten Anbo			ı			Aupor
	acoustic output L _{Aeq,T} , is ≤						70.
	while playing the fixed "pro						bris
	noise" as described in EN						9
	personal music player pro						V.
	electrical output socket for						00
	where the electrical outpu						You
	as described in EN 50332			7			Anboro
	fixed "programme simulati	ion noise" as d	escribed	6			, de
	in EN 50332-1.			P			Anbo
	NOTE 1 Wherever the term a	acoustic acousti	c output is	18K			de Yes
	used in this clause, the 30 s	A-weighted equ	ipment 📈	, v			Die Vue
	sound pressure level LAeq,T, i			MOSER			You
	See also Zx.5 and Annex	Zx.					
	All other equipment shall:						SK
	a) protect the user from un						-V-
	outputs exceeding those r						a mode.
	b) have a standard acoust		not				7.6
	exceeding those mentione						Anbo
	automatically return to an						V. 100
	exceeding those mentione		the				Yun Vul
	power is switched off; and						401
	c) provide a means to acti	ively inform the	user of	- V			upo, b
	the increased sound press	sure when the		"pole"			otek
	equipment is operated wit	th an acoustic	output	br.			Anso
	exceeding those mentione	ed above. Any	means	MADO			botek
	used shall be acknowledg	jed by the user	before	,			Y.II.
	activating a mode of opera	ation which alle	ows for	P.			Vupore
	an acoustic output exceed			No.			la.
	above. The acknowledger						tek Aupo
	be repeated more than on			Nex			
	cumulative listening time;	•		Npo.			POLO V.
fer. Vup	NOTE 2 Examples of means		r audible	LOW			Yer
	signals. Action from the user	is always requi	red.				Aupo
	NOTE 3 The 20 h listening ti						notek
	listening time, independent h						YUN
	personal music player has be			AT			nbote
	d) have a warning as spec	2.40.97	and Mar				ber
	e) not exceed the following		2000	8.			lek aupo
	1) equipment provided as			Yek			
	Its listening device), the ac			00.			poter pr
	100 dBA measured while			notek			494
	"programme simulation no	oise" described	l in EN	Ans			anbore
	50332-1; and			rodn			-otek
	2) a personal music playe			b.,			Bupa
	analogue electrical output		1.00	20			boten
	device, the electrical outpo	ut shall be ≤ 1	50 mV	N.			Dir
	measured as described in			Se			ek subo
	playing the fixed "program	nme simulation	noise"	You		Anbo	100
	described in EN 50332-1.			poro			note An
	For music where the average		ssure	stek			-V-
	(long term L _{Aeq,T}) measure			Aupor			"upofe.
	the song is lower than the			work!			P. FBK
	the programme simulation			AUG			Aupor
	does not need to be given			100			notek.
	sound pressure of the son			bu.			Anbo
	limit of 85 dBA. In this cas			e.K			y Por





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NOTE 4 Classical music typically has an average sound pressure (long term Lear) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the song and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA. For example, if the player is set with the programme simulation noise to the song is only 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound pressure of the song is not above the basic limit of 85 dBA. 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: "To prevent possible hearing damage, do not listen at high volume levels for long periods." ZX.4 Requirements for listening devices (headphones and earphones) ZX.4.1 Wired listening devices with analogue input With 94 dBA sound pressure output Lan; the input voltage of the fixed "programme simulation noise" described in EN 50332.2 shall be 275 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). NOTE The values of 4 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV. 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), and Abotek Parawards and the fixed programme simulation noise described in EN 50332.1 (and respecting the digital interface standards, where a digital interface standards.	Nouse	Mr. Mer	EN 60950-1	HOLE AME	18
sound pressure (long term Lac_n) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the song and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA. For example, if the player is set with the programme simulation noise to 85 dBA, but the average music level of the song is only 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dBA. 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 working, or similar: "To prevent possible hearing damage, do not listen at high volume levels for long periods." Zx.4 Requirements for listening devices (headphones and earphones) Zx.4.1 Wired listening devices with analogue input With 94 dBA sound pressure output Lacat, the input voltage of the fixed "programme simulation noise" described in IEN 50332-2 shall be z 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). NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV. 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 standards.	nause	Requirement – Test	abotek Anbote	Result - Remark	Verdic
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average sound pressure of the soing is below the basic limit of 85 d8A. For example, if the player is set with the programme simulation noise to 85 d8A, but the average music level of the song is only 85 d8A, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 d8A. 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: "To prevent possible hearing damage, do not listen at high volume levels for long periods." Figure 1 – Warning label (IEC 60417-6044) 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. Zx.4 Requirements for listening devices (headphones and earphones)					e/F
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standards, where a digital interface standard exists that specifies the equivalent acoustic level),	otek Anbotek Anbotek Anbotek Anbotek	input voltage of the fixed "pronoise" described in EN 5033 This requirement is applicabe the headphones can operate including any available settir in volume level control). NOTE The values of 94 dBA – 75 m – 27 mV and 100 dBA – 150 mV. Zx.4.2 Wired listening device input With any playing device play	ogramme simulation 2-2 shall be ≥ 75 mV. le in any mode where e (active or passive), ng (for example built- nV correspond with 85dBA ces with digital ring the fixed		Andorek Andorek N/A
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abotek	Anbore And Stek Subc	EN 60950-1	hotek Anboter	Ann
Clause	Requirement – Test	abotek Anbote	Result - Remark	Verdict
All	abotek Anbo			Anbo
	shall be ≤ 100 dBA.			abo
	This requirement is applicable i			Berry
	the headphones can operate, in			P.
	available setting (for example be control, additional sound feature			eV-
	etc.).	5 like equalization,		477
	tek abotek		Pr.	botek
	NOTE An example of a wired listening is a USB headphone.	device with digital input	Anbotek Anbote	K Ana abotek
abote	Zx.4.3 Wireless listening dev	ices	ek spoten Anbo	N/A
	In wireless mode:		Dry Mu	otek Aupo
	with any playing and transmittir		rotek Anbor Air	494
	the fixed programme simulation	noise described	No.	P.
	in EN 50332-1; and			SK
hotek	respecting the wireless transmi			You
	where an air interface standard			Andord
Anbore	specifies the equivalent acoustivolume and sound settings in the		10	Lotek
-otek	(for example built-in volume lev		,61	AUR
Anb	additional sound feature like eq			tek nbot
ek abote	set to the combination of position		D,	y
ber	the measured acoustic output f			aboten An
otek Ant	abovementioned programme si		hotek Anbor A	No.
	the acoustic output LAeq,T of the		Aug ok potek	Aupor
Anbore I	shall be ≤ 100 dBA. NOTE An ex		ambote. And	notek
-otek	listening device is a Bluetooth head		A. stek subote.	YUP.
And	Zx.5 Measurement methods		Anbo	N/A
Anbote	Measurements shall be made in		ek aboten Anbo	V 100
v ote	EN 50332-1 or EN 50332-2 as		Ar tek apo	You Yupa
	Unless stated otherwise, the tin	ne interval T shall	botek Anbo	atek ant
rek ab	be 30 s.		tok shotek Ar	100
lo. br.	NOTE Test method for wireless equipn	nent provided without	All	aboten
abotek P	listening device should be defined.	icht provided without	Anbot	VI.
2.7.1	Replace the subclause as follo	ws:	worek Anbotek	N/A
An	Basic requirements		And ak botek	Anboro
Anboro	To protect against excessive cu	urrent, short-	ek vupose, vun	ak note
k hotel	circuits and earth faults in PRIM		A stek Anbo	Ve. Vun
And	protective devices shall be inclu	uded either as	ooten Anbo	atek ant
stek subs	integral parts of the equipment		tek abotek Ar	/bc
V V	building installation, subject to t	the following, a), b)	Aupor Williams	aboter P
abotek A	and c):		hotek Anbor	A. tek
in tek	a) except as detailed in b) and		Ann ak hotek	Rupo
Aupor	devices necessary to comply w		Anbore Ann	botek
101	requirements of 5.3 shall be inc	luded as parts of	k sotek Anboro	Alle
100	the equipment;		And K Sol	ek Aupore
Anbo		n the mains input	tek aboten Anbe	N.
Anbotok	b) for components in series with			
Anbotek	to the equipment such as the s	upply cord,	Dor Air	pote Anb
Anbotek Anbotek	to the equipment such as the sappliance coupler, r.f.i. filter and	upply cord, d switch, short-	botek Anbotek An	pote Anb
Anbotek Anbotek Anbo	to the equipment such as the sa appliance coupler, r.f.i. filter and circuit and earth fault protection	upply cord, d switch, short- n may be provided	Anbotek Anbotek An	Anbotek Anb
Anbotek Anbotek Anbotek	to the equipment such as the sappliance coupler, r.f.i. filter and	upply cord, d switch, short- n may be provided	Anbotek Anbotek An	Anbotek Anb
stek Anbotek	to the equipment such as the sa appliance coupler, r.f.i. filter and circuit and earth fault protection by protective devices in the bui	upply cord, d switch, short- n may be provided lding installation;	Anbotek Anbotek An	N/A
Anbotek Anbotek	to the equipment such as the si appliance coupler, r.f.i. filter and circuit and earth fault protection by protective devices in the built it is permitted for PLUGGAB	upply cord, d switch, short- n may be provided lding installation; LE EQUIPMENT	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
Anbotek Anbotek Anbotek Anbotek Anbotek	to the equipment such as the sa appliance coupler, r.f.i. filter and circuit and earth fault protection by protective devices in the bui	upply cord, d switch, short- n may be provided lding installation; LE EQUIPMENT ONNECTED	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A





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abotek	Anbote, And otek Anbote	EN 60950-1	Al. notek	Anboten A	upo rek
Clause	Requirement – Test	otek Anboto	Result - Remark	anbotek	Verdict
ek Anbotok	installation, provided that the mea e.g. fuses or circuit breakers, is fu the installation instructions.				Anbr
Anbotek Anbotek Anbotek	If reliance is placed on protection installation, the installation instruction state, except that for PLUGGABL TYPE A the building installation is as providing protection in accordance rating of the wall socket outlet.	ctions shall so E EQUIPMENT hall be regarded	Anbotek Feek	Anbotek Anbotek	ek Anbotek Anbotek
2.7.2	This subclause has been declare	d 'void'.	ptek Anbo	k botek	N/A
3.2.3	Delete the NOTE in Table 3A, an this table the conduit sizes in pare		notek Anbor	No.	N/A
3.2.5.1	Replace "60245 IEC 53" b "60227 IEC 52" b H03 VVH2-F"; "60227 IEC 53" b H05 VVH2-F2".	y "H03 VV-F or		's _k	N/A
	In Table 3B, replace the first four following: Up to and including 6	lines by the 0,75 a)			ar Anbo
	Over 6 up to and including 10 (0, Over 10 up to and including 16 (1) In the conditions applicable to Tathe words "in some countries" in 6	75) ^{b)} 1,0 1,0) ^{c)} 1,5 ble 3B delete	Vupotek Vupotek Vupotek		Anbotek Anbotek
	In NOTE 1, applicable to Table 3B, delete sentence.	the second	cek Anbotek		Ans
3.3.4 Anbote nbotek nbotek	In Table 3D, delete the fourth line sizes for 10 to 13 A, and replace following: Over 10 up to and including 16 4 Delete the fifth line: conductor size	with the 1,5 to 2,5 1,5 to	botek Anbotek	tek Anbok	N/A
1.3.13.6	Replace the existing NOTE by th	A Hoto.	Fupo,	h. abotek	N/A
(A1:2010)	NOTE Z1 Attention is drawn to: 1999/519/EC: Council Recomme limitation of exposure of the gene electromagnetic fields 0 Hz to 300	ndation on the ral public to	potek Anbotek		k Anbot
	2006/25/EC: Directive on the min safety requirements regarding the workers to risks arising from physical (artifical optical radiation).	imum health and e exposure of	Anbotek An		nbotek Anbotek
Anbotel Anb	Standards taking into account me Recommendation and Directive v demonstrate compliance with the Directive are indicated in the OJE	vhich applicable EU	Dotek Anbotek	ek Anbotek	N/A
Annex H	Replace the last paragraph of this At any point 10 cm from the surfa OPERATOR ACCESS AREA, the not exceed 1 µSv/h (0,1 mR/h) (s Account is taken of the backgroup k Compliance Laboratory Limited	ce of the e dose rate shall ee NOTE).	Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek	N/A





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Coporc.	EN 6095	JO-1	Yek
Clause	Requirement – Test	Result - Remark	Verdict
Ann	-botel Anbo		Anbos
Anbor	Replace the notes as follows:		. 70
	NOTE These values appear in Directive		Ville
	96/29/Euratom.		b,
oter An	Delete NOTE 2.		40
Bibliography	Additional EN standards.		
*Upp	abotek Anbott Anbott Anbott	Ambote ¹	Anboro
ZAmbo	NORMATIVE REFERENCES TO INTERN	NATIONAL PUBLICATIONS WITH	_
	THEIR CORRESPONDING EUROPEAN	PUBLICATIONS	V

1.1 ZB ANNEX (normative)

1.2 SPECIAL NATIONAL CONDITIONS (EN)

Clause	Requirement + Test	Result - Remark	Verdict
1.2.4.1	In Denmark , certain types of Class I appliances (see 3.2.1.1) may be provided with a plug not	ootek	N/A
Anbo.	establishing earthing conditions when inserted into Danish socket-outlets.	nbok	Anb
1.2.13.14	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	Anbotek Anbo Anthon	N/A
1.5.7.1	In Finland, Norway and Sweden , resistors 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	Anbotek Anbotek	N/A
ok Anbotek	resistor is used, the resistor must withstand the resistor test in 1.5.7.2.	Lee Andotek Anbotek	K Aupor
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).	Anbotek Anbotek Anbotek	N/A
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.	ek Anbotek Anbotek	N/A
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.	Anbotek	N/A K Anbotek Anbotek Anbotek
Anbotek Anbotek Anbotek	The marking text in the applicable countries shall be as follows: In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	Botek Anbotek Anbotek	Anbotek Anbo
Anbotek An	In Norway : "Apparatet må tilkoples jordet stikkontakt"	Anbotek Anbotek Anb	upotek Ar
Anbotek Anbotek	In Sweden : "Apparaten skall anslutas till jordat uttag" Compliance Laboratory Limited	Anbotek Anbotek	Anbotek Anbotek
IKHER ARDOTEK	Compliance Laboratory Limited	Not Mar. My	100

Address: 1/F, Building D, Sogood Science and Technology Park, Sanwei Community,

Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86)755-26066440 Fax:(86)755-26014772 Email:service@anbotek.com





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		EN 6095	50-1			
Clause	Requirement – Test	nbotek	Aupoto.	Result - Remark	Anbotek	Verdict
P.I.	anbotek Anbo					Anbor
1.7.2.1	In Norway and Sweden , distribution system is norr					Anbo
(A11:2009)	entrance of the building a					100
(////.2000)	equipotential bonding sys					P.
	Therefore the protective e	earthing of the bu	uilding			'6k
	installation need to be iso		creen of			Yer
	a cable distribution system		Anbore			Aupo.
	It is however accepted to					Vupofer
	external to the equipment interconnection cable with					100
	may be provided by e.g. a		And			Ans
	The user manual shall the		wing or			Nex An
	similar information in Norv					No.
	language respectively, de					
	country the equipment is i					neotek
	"Equipment connected to					by.
	of the building installation connection or through oth					Anbo
	connection to protective e					Anbot
	distribution system using					1/4
	some circumstances crea		100			P.U.
	Connection to a cable dist					botek
	therefore to be provided the providing electrical isolation					Yer
	frequency range (galvanio					Anbo
	60728-11)."	And	abotek			vupoter
Anbore	NOTE In Norway, due to reg	ulation for installa	tions of	rek vupote	AUD	N/A
	cable distribution systems, a					VUL
	isolator shall provide electric The insulation shall withstan					ek Aut
otek An	1,5 kV r.m.s., 50 Hz or 60 Hz		igui oi			Yez
	Translation to Norwegian	(the Swedish te	xt will			00 L
	also be accepted in Norwa					Nupote,
	"Utstyr som er koplet til be					hotek
	nettplugg og/eller via anne					Vur.
	og er tilkoplet et kabel-TV brannfare. For å unngå de					Anbor
	tilkopling av utstyret til kal					da 4
	en galvanisk isolator melle					A been
	nettet."	de Nat	otek			oter. b
	Translation to Swedish:		Nete			hotek
	"Utrustning som är koppla	- AM	3.6			YUR POK
	jordat vägguttag och/eller					Anbore
	och samtidigt är kopplad t vissa fall medföra risk för					potel
abote	detta skall vid anslutning		DC 3.7		Anbor	bu.
	kabel-TV nät galvanisk iso					Anb
	utrustningen och kabel-T\					*ek





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sbotek	Anbote, And Stek	EN 60950-1	All not	ak Anboten	Anbo
Clause	Requirement – Test	abotek An	Result - F	Remark	Verdict
1.7.2.1	In Denmark , CLASS I PLU	ICCARI E			N/A
(A2:2013)	EQUIPMENT TYPE A inte		n to		IV/A
ek Anbo	other equipment or a netw				
	on connection to protective		000		P
	suppressors are connecte		ork		e/-
	terminals and accessible p				_V.
	stating that the equipment	must be connected	d to		tek vupoter
	an earthed mains socket-o		193		v otel
	The marking text in Denm				boten Anbo
	In Denmark : "Apparatets				stek nb
	en stikkontakt med jord, so	om giver forbindelse	e tillo		Anbo
4.7.5	stikproppens jord."		2000	VIII	NI/A
1.7.5	In Denmark , socket-outlet				N/A
	other equipment shall be i				
	Heavy Current Regulation				otek
	Standard Sheet DK 1-3a,		1,		Am
	when used on Class I equ STATIONARY EQUIPMEN				ek Aupore
	shall be in accordance with				, V
	1b or DK 1-5a.	ii Otariaara Orioot E			pole. And
	For CLASS II EQUIPMENT the	socket outlet shall	he		Notal.
	in accordance with Standa				AUD
1.7.5	In Denmark , socket-outlet			A. stek	N/A
(A2:2013)	other equipment shall be i				v nek
	DS 60884-2-D1:2011.		br.		Aup. K
	otek Anbote		-hotek Anbe		stek saboter
	For class I equipment the		O.K		70 Pr.
	Sheets are applicable: DK		Anbor		aboten Anbo
	DK 1-1d, DK 1-5a or DK 1		tion		Mr.
	for STATIONARY EQUIPM		ARL		Aupo. A
	socket-outlets shall be in a Standard Sheet DK 1-1b,	and the second s	ar.		abotek.
	DK 1-5a.	DK 1-16, DK 1-14 C	"		VI.
	Dit 1-3a.				K Nupor
	Socket outlets intended fo	r providina power to	Lotek Anbo		Lek botek
	Class II apparatus with a r				Or All
	shall be in accordance wit		Vupore. Vi		hotek Anbo
	standard sheet DKA 1-4a.		g ^{rad} ote ^K		YU.
	socket outlets shall be in o		Ando		Anbore An
	DS 60884-2-D1 Standard	Sheet DKA 1-3a or	anboter		Potek
	DKA 1-3b.		N. Stek		AMO
	Ivetitionting Amboli		IEK AUPO		k whole
	Justification	tions 60	rek abo		v otek
2.2.4	the Heavy Current Regula In Norway , for requirement		2.1	dek up	N/A
2.2.4	and 6.1.2.2 of this annex.	1.0 SCC 1.1.2.1, 0.1.	Andrew An		IV/A
2.3.2	In Finland, Norway and S	weden there are	VIII	aboten P	N/A
	additional requirements fo		Anbor		Anhore
	6.1.2.1 and 6.1.2.2 of this		hotek		P. VEK
2.3.4	In Norway , for requiremen	1117	2.1	potek	N/A
po. bi	and 6.1.2.2 of this annex.	np	ek Anbore		K Spotek
2.6.3.3	In the United Kingdom, the	ne current rating of	the	ek Vupos	N/A
	circuit shall be taken as 13		oote, Aug		rek upor





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		EN 60950	1			
Clause	Requirement – Test	abotek A	Result	- Remark	anbotek	Verdict
All	-hotek Anbe					Aupor
2.7.1	In the United Kingdom, to					N/A
	excessive currents and she					VI.
	PRIMARY CIRCUIT of DIF					1
	EQUIPMENT, tests accord					
	conducted, using an extern					10.
	rated 30 A or 32 A. If these					rek
	protective devices shall be					Aupo
	parts of the DIRECT PLUG that the requirements of 5.		, 50			abote
2.10.5.13	In Finland, Norway and S		AUL IN	hotek	Vipo	N/A
10.0.13	additional requirements for					Anb
	6.1.2.1 and 6.1.2.2 of this		-otek			No.
3.2.1.1	In Switzerland, supply cor					N/A
P.C.	having a RATED CURREN		10 Δ			SK.
	shall be provided with a plu					Yo.
	1011 or IEC 60884-1 and					Ansolo
	dimension sheets:		.9			Lote!
	1.01	ug Type 15				AUD
	3P+N+PE 250/40					dna
	V 11.	ug Type 11	L+N			A. Pro
	250 V, 10 A	ag Typo Ti				P
	e W	ug Type 12	ek botek			Yek
	L+N+PE 250 V,	- NOT	Aur			00-
	100		otek Anbo			botek
	In general, EN 60309 appl		,			VII.
	currents exceeding 10 A. H					Aupor
	and socket-outlet system is Switzerland, the plugs of w					. 100
	the following dimension sh					VUL
	February 1998:	coto, publicited ii	Moter			2.K
	SEV 5932-2.1998: Plug Ty	mo 25 31 ±N±DE	P. Var			.V.
	230/400 V, 16 A	pe 25 , SETINTE	•			ole.
	200/400 V, 10 A					otek
	SEV 5933-2.1998:Plug Ty	ne 21 1 ±N 250 \	/ 164			YUPO
	JE V 3333-2.1330.Flug Ty	JG Z I, LTIN, ZOU \	, 104			nboten
	Anbo	Anbore	YU.,			ber
	SEV 5934-2.1998: Plug Ty	rpe 23, L+N+PE	250V,			Anbo
	16 A		Yel			4



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0000	Ant tek	EIN O	0950-1	boten Anbe	NeV.
Clause	Requirement – Test	- abotek	Anbore	Result - Remark	Verdi
3.2.1.1	In Denmark , supply cord		ase		N/A
olek Anbol	equipment having a rated exceeding13 A shall be p according to the Heavy C	rovided with a			
Anbotek	Section 107-2-D1. CLASS I EQUIPMENT pr	ovided with so	ocket-	by. A	, otek
Anbotek Anbotek	outlets with earth contacts to be used in locations whindirect contact is require	nere protection d according to	n against the wiring	Anbotek Anboten	Anbo
olek Anbott	rules shall be provided wi with standard sheet DK 2			otek Anbotek Anb	otek Vi
nootek Ant	If poly-phase equipment a equipment having a RATI exceeding 13 A is provide	ED CURREN	Γ	WO. 00.	8.K
Anbotek Anbotek	with a plug, this plug shal the Heavy Current Regula or EN 60309-2.	l be in accord	ance with	8/8	Annotek
3.2.1.1 (A2:2013)	In Denmark , supply cords equipment having a rated			700	N/A
ntek Anbor	13 A shall be provided wirds 60884-2-D1.	th a plug acco	ording to	ek pore N	Upotak K
hootek A.	CLASS I EQUIPMENT pr outlets with earth contacts to be used in locations wh	s or which are	intended	Anbotek Anbotek	Anbotek
Anbotek	indirect contact is required rules shall be provided with standard sheet DK 2	d according to th a plug in a	the wiring coordance	ek anbotek Anbotek	Anboi
kek Anbote	If a single-phase equipme	ent having a R	ATED	botek Anbotek Anbo	rotek An
botek Anb	CURRENT exceeding 13 equipment is provided wit plug, this plug shall be in	h a supply co accordance w	rd with a vith the	Anbotek Ar	Antotek
Anbotek	standard sheets DK 6-1a EN 60309-2.	in DS 60884-	2-D1 or	Anbotek Anbotek	Anboth
Anbore	Justification the Heavy Current Regula	ations, 6c	k Aupo	lek Anboten Anbot	ek Ant
3.2.1.1	In Spain , supply cords of having a rated current no be provided with a plug a	t exceeding 1	0 A shall	Anbotek Anbotek An	N/A
Unpotek V.	20315:1994. Supply cords of single-ph	Aupore.		Anbotek Anborotek	Anbotek
Anbotek Anbotek	rated current not exceeding provided with a plug accomposition 50075:1993.	ng 2,5 A shall	be worker	ak Anbotek Anbotek	ek Anbote
otek Anbore	CLASS I EQUIPMENT proutlets with earth contacts to be used in locations where the contact is the contact of the	s or which are	intended	notek Anbotek Anb	ootek p
Anbotek Ar	indirect contact is required rules, shall be provided which standard UNE 20315	d according to rith a plug in a	the wiring	Anbotek Anbotek	Anbotek
Anbotek	If poly-phase equipment i cord with a plug, this plug	s provided wit		k Anbotek Anbotek	Anbote





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apolek Air	Anbotek Anboten	EN 6095	50-1	Anborr A	Anbotek A	'upoten
Clause	Requirement – Test	abotek	Anbore	Result - Remark	Anbotek	Verdict
3.2.1.1 Dorek	In the United Kingdom , with a flexible cable or connected to a mains so 1363 by means of that fl plug, shall be fitted with accordance with Statuto - The Plugs and Sockets Regulations 1994, unles regulations. NOTE 'Standard plug' is de essentially means an appro 1363 or an approved converged.	ord and is designed beket conforming to exible cable or conforming the exible cable or conforming the exible cable or conformination of the exible cable of the exible cable of the exibition of	ed to be to BS ord and in 68:1994 ose	stek Anbotek	Anbotek Anbotek Anbotek	N/A Anbotek Anbotek Anbotek
3.2.1.1	In Ireland, apparatus whereable or cord and is designed a mains socket conforming of that flexible cable or confitted with a 13 A plug in Statutory Instrument 525 Standards Authority of Irelugs and Conversion A Use) Regulations 1997.	igned to be conne ing to I.S. 411 by cord and plug, sha accordance with 5:1997 - National reland (section 28	ected to means all be	V.		Anbotek Anbotek Anbote
3.2.4	In Switzerland , for requithis annex.	irements see 3.2.	1.1 of	Pupore, Yu	Anbotek An	N/A
3.2.5.1	In the United Kingdom , conductor of 1,25 mm ² is with a rated current over including 13 A.	s allowed for equi	pment	ek Anbotek	Anbotek Anbotek	N/A
3.3.4	In the United Kingdom , sizes of flexible cords to for equipment with a RA 10 A up to and including • 1,25 mm ² to 1,5 mm ² n area.	be accepted by to TED CURRENT of 13 A is:	erminals of over	botek Anbo	Anbotek Anbotek	N/A And
4.3.6 Anbotek Anbotek Anbotek Anbotek Anbotek	In the United Kingdom , performed using a socke BS 1363 part 1:1995, ind 1:1997 and Amendment of DIRECT PLUG-IN EC assessed to BS 1363: P 12.9, 12.11, 12.12, 12.13 except that the test of 12 less than 125 °C. Where replaced by an Insulated (ISOD), the requirement also apply.	et outlet complying cluding Amendme 2:2003 and the p QUIPMENT shall b art 1, 12.1, 12.2, 3, 12.16 and 12.1 2.17 is performed to the metal earth p d Shutter Opening	g with ent blug part be 12.3, 7, at not bin is J Device	ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A Andrew
4.3.6	In Ireland, DIRECT PLU known as plug similar de comply with Statutory In: National Standards Auth 28) (Electrical plugs, plu sockets for domestic use	evices. Such devic strument 526:199 nority of Ireland (S g similar devices	ces shall 7 - Section and	Anbotek Anb Anbotek Anbotek	Anbotek Ant	tek N/A tootek Anbotek Anbotek





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		EN 60	950-1		
Clause	Requirement – Test	abotek	Anbore	Result - Remark	Verdict
Ali.	k botek Anbe				Anbor
5.1.7. 10000 Anbr	In Finland , Norway and S CURRENT measurement mA r.m.s. are permitted or	results excee	ding 3,5		N/A
	equipment: • STATIONARY PLUGGAI TYPE A that is intended	BLE EQUIPM to be used i	IENT n a	por	ek r
	RESTRICTED ACCESS L equipotential bonding has example, in a telecommun has provision for a perman	been applied ication centre nently connec	, for e; and ted	otek Anbotek Anbotek	ek Anbotek
	PROTECTIVE EARTHING is provided with instruction that conductor by a SERV	s for the insta ICE PERSON	allation of I;	notek Anbote An	ok Ar
	• STATIONARY PLUGGAI TYPE B;	BLE EQUIPM	IENT		potek
Anbotek	• STATIONARY PERMAN EQUIPMENT.	ENTLY CON	NECTED		anbotek Anbotek
6.1.2.1 (A1:2010)	In Finland, Norway and S following text between the paragraph of the complian	first and seco			N/A
	If this insulation is solid, in forming part of a compone consist of either			Anbotek Anbotek	Anbotek botek
	- two layers of thin sheet n shall pass the electric stre			Anbotek Anbote	k Anbotek
	 one layer having a distant at least 0,4 mm, which shat strength test below. 			botek Anbotek Ant	otek Anbot
otek An	Alternatively for componer through insulation requirer consisting of an insulating filling the casing, so that C CREEPAGE DISTANCES	ments for the compound co	insulation ompletely and	Anbotek Anbotek	Anbotek Anbotek
	component passes the ele accordance with the comp and in addition	ctric strength	test in	lek Anbotek Anbote	otek Anbote
	 passes the tests and insp 2.10.11 with an electric str multiplied by 1,6 (the elect 	ength test of	1,5 kV	Anbotek Anbotek	Anbotek Anb
	2.10.10 shall be performed - is subject to ROUTINE T strength during manufactu voltage of 1,5 kV.	ESTING for e	electric	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek





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		EN 60	950-1				
Clause	Requirement – Test	nbotek	Anbore	Result -	Remark	anhotek	Verdict
All	hoten Anbo						Aupor
	It is permitted to bridge the optocoupler complying w	ith 2.10.5.4 b).					N/A
	It is permitted to bridge the capacitor complying with subclass Y2.						,8K
	A capacitor classified Y3 EN 60384-14:2005, may under the following condi	bridge this insu	ulation	k An			Anbotek Anbotek
	- the insulation requirement having a capacitor classif EN 60384-14, which in action is tested with an impulse EN 60950-1:2006, 6.2.2.	ied Y3 as defired dition to the Y test of 2,5 kV o	ned by 3 testing,	hotek hotek			sk Vupe
	- the additional testing sh the test specimens as de	all be performe scribed in EN 6	60384-14;				Amotek
	- the impulse test of 2,5 k before the endurance tes sequence of tests as des	t in EN 60384-	14, in the				Anbotek
6.1.2.2	In Finland , Norway and are applicable for PERMA EQUIPMENT, PLUGGAE B and equipment intende	ANENTLY CON BLE EQUIPME	NNECTED NT TYPE	Anbotek	Anbo	re Anbol	N/A
	RESTRICTED ACCESS equipotential bonding has telecommunication centre	LOCATION who been applied	nere , e.g. in a	Anbore			Anbotek otek
	provision for a permanen PROTECTIVE EARTHIN	tly connected G CONDUCTO	OR and is	rek V.			Anbo'
	provided with instructions that conductor by a SER			botek			ek br
7.2	In Finland , Norway and requirements see 6.1.2.1 annex.	Sweden, for		/-	Anbo	botek An	N/A
	The term TELECOMMUN 6.1.2 being replaced by the DISTRIBUTION SYSTEM	he term CABLE		ek Anb			Anbotek
7.3 (A11:2009)	In Norway and Sweden , 1.2.13.14 and 1.7.2.1 of t		nts see	ootek	Anbotek	AUDOF.	N/A



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Tables

1.5.1	TABLE: List of critical	components			P AN
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity ¹)
Plastic Enclosure	Interchangeable	Interchang eable	V-0, min. 1.5 mm thickness, 80°C	U 94	UL 9 ^K
PCB	Interchangeable	Interchang eable	V-0, 130°C	UL 796	OUL Anbo
Coil	Interchangeable	Interchang eable	130°C	UL 1446	Tested in appliance
Rechargeabl e Lithium ion Cell	Hunan Times New Energy Technology Co., Ltd	8865110	3.7V 8000mAh 29.6wh	IEC 62133	Ref.Certif,No: SZES1903011 31801
Inductor (L001)	Interchangeable	XSDSM06 30-1R0M- S	INDUCTANCE: 1.0uH Rdc: 9.2m Ω Idc: 12A Isat: 15A	IEC 60950-1	Tested with appliance
IC (U001)	INJOINIC Technology	IP5566	VBAT=3,0-4,4V VOUT=4,75- 5,25V Load capacity 3A Topr-40°C to150°C Encapsulation: QFN40	IEC 60950-1	Tested with appliance
IC (U002)	TEXAS INSTRUMENTS	LM321	Gain-Bandwidth: 1Mhz Wide Supply Voltage Range: 3~32 V	IEC 60950-1	Tested with appliance
MOSFET (Q001,Q002, Q003)	Shenzhen City Ruichips Semiconductor Co., Ltd	RU20P7C	Id: -5 A Vds: -20V Operating temperature range: -55°C- +150°C	IEC 60950-1	Tested with appliance
MOSFET (Q004,Q005)	Shenzhen City Ruichips Semiconductor Co., Ltd	RU207C-I	Id: 6 A Vds: 20V Operating temperature range: -55°C-	IEC 60950-1	Tested with appliance
MOSFET (Q006)	Shenzhen Semi-one Technology Co.,Ltd	PE3401A	+150°C Id: -4.2 A Vds: -30V Operating temperature range: -55°C- +150°C	IEC 60950-1	Tested with appliance



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Tables

Cell protection IC	Shenzhen Zhun Xin Electronics, Inc	JA9066	Overcharge Detection	IEC 60950-1	Tested with
(U003)	Liectroffics, fric		Voltage:4,3 V		appliance
(Cook	Diek Wipon W.		Over-discharge		P
Anbore An	tek abotek		Detection		
-botek P	Jupos A. Stek		Voltage: 2,4 V		-V
Arr	abotek Anbo		Operating		
Anborn	Vi. Yek upoter		temperature	by.	ek bolek
k botek	Anbou Air		range: -30 to	hotek Ar	por Vi
(Alternative)	V. Casia In a	VD0700ALL	+85°C	AUD	-hotek bupc
(Alternative)	XySmie, Inc	XB8783AH	Overcharge Detection	IEC 60950-1	Tested with
100 401	stek Aupo A.	abotek A	Voltage:4,3 V	K hotek	appliance
upor Air	tek aboten		Over-discharge	An	Nov
-botek P	upor by		Detection		48
VU.	abotek anbo		Voltage: 2,4 V		
Anbore	VI.		Operating		potek
k botek	Anbo		temperature		P.I.
VII.	botek		range: -40 to		ek Anbo
rek proof	by.		+85°C		You
Remark:					
WO.					464

1.5.1	TABLE: Opto Electronic Devices	ek Anbolek	Anbore	'upofek	N/A
Manufacture	9r	botek Anbotes	ek Appolek	Anbotek	Anbora
Separately	tested:	Anbo	otek -Anbote	Pur	rek
Bridging ins	ulation	Anboto An	otek anb	otek Ant	, K
External cre	epage distance:	Anbotes	Anb.	-botek	Aupore
	epage distance: rough insulation:	ek Anbot	P	Anbotek	Anbote
Tested unde	er the following conditions:	anbotek Anbote	JK Antrotek	Anbote	k Pupo
Output	Hak poles And	botek Ant	Vor.	tek out	ofer b
supplement	ary information				
Anbote.	Ann tek abotek Anbot	A otek	Anboten A	upo I	botek

1.6.2	TABLE: electrical data test (in normal conditions)					Anbote Ann otek Panh
U (V)	I (A)	I rated (A)	P (W)	Fuse#	I fuse (A)	condition
Normal op	eration and s	upplied by 5V D	C source (Type-C), c	harged an e	mpty battery:
5Vdc	2.38	3	11.9	Pupp.	ek - nbo	Charging mode.
Normal op	eration and s	upplied by 5V D	C source (l	Micro) , cha	arged an em	pty battery:
VUL						





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3.85Vdc	3.10	otek Anb	orgv,	 	Max. normal load Discharging mode.	Anb
Remark:	Anbotek	Anbore P		1		P

2.1.1.5 c) 1) TABLE:	max. V, A, VA test			P. Post
Voltage (rated) (V)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)
5Vdc (USB)	abotek 2.1 Anbox	5.18	3.42	15.5
5Vdc (Type-C)	"otel3 "ob	5.08	3.34	15.3

2.1.1.5 c) 2) TABLE: stored energy						N	/A
Capacitano	e C (μF)		Voltage U (V)	En	ergy E (J)		
re. Vuo	atek .	,bot				potek	P.C
Remark:	,ex	a'				hotek	

2.2	TABLE: eva	luation of vo	oltage limiting o	component	s in SELV	circuits	Lotek	N/A
Location Voltage measure				ment (V)		Com	nments	
Componer	it (measured b	etween)			Itage (V)	Voltage Lim	iting C	omponents
Transforme	er Location			V peak	V d.c.			
Ann Olek	nbotek	Aupor-	A" hotek	Ankol		200	rek_	Anbore
Fault test p	performed on v	oltage limitin	g components	Vol		sured (V) in Sl peak or V d.c		cuits
onb	Pupo Vupo	Tok A	Potek Vupor	Ann	rek	nbotek	Vupo.	y bi.
Remark:	nbotek An	DOLL BU	notek An	Pote, b	Upo.	abotek	Anb	Ore. VIII

2.5 TABI	LE: limited power sour	rce measurement			anbo P ^k	
Condition	Output voltage	Output current	(Isc) (A)	Apparent power (S) (VA)		
	(Uoc) (V)	Meas.	limit	Meas	limit	
USB output: DC5	V/2.1A	k Wupoyer V.	Up. Fek	abotek Anbo	Co Arra	
Normal operation	5.18	3.42	Ambo 8	15.5	100	
U1 pin23-29 (S-C) Aupo O Au	otek Oanbotek	Anbo 8	**************************************	100	
Q1 pin2-3 (S-C)	5.18	3.42	8	15.5	100	
R52 (S-C)	5.18	3.42	8Vupor	15.5	100	
Type-C output: D0	C5V/3A	Andrek Ar	Ipotek Aup	rek Pu	lek Anb	
Normal operation	5.08	3.34	Anbotek8 A	15.3	100	

Address: 1/F, Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86)755-26066440 Fax:(86)755-26014772 Email:service@anbotek.com





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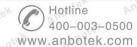
U1 pin23-29 (S-C)	botek O Anbote	0	8	0	100
Q1 pin2-3 (S-C)	5.08	3.34	8	15.3	100
R52 (S-C)	5.08	3.34	8	15.3	100
Remark: S-C=Short	circuit, O-C=Open circu	uit			8K

2.10.2	TABL	E: Working vo	Itage measure	ement	Ans notek	Anbotek An	N/A
Compon	ent	From	То	V rms	V peak	Re	mark
potek A	'upote.	k Wup notek	- notek	bupor.	r - rotek	Anboten	- Aubo
Remark:	Aupore	k Am	,**	•			8/4

2.10.3 and 2.10.4 TABLE: Clearance and creepage distance measurements					N/A		
	at/of/between:	U peak (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required cr (mm)	cr (mm)
nbotek	Ambotek An'	otek D	boter_	Indo _ r	-botek	Vupore.	Anbolo atek
Supplementa	ary information:	otek	Anbotek	Anbox	Potek.	Anboten	Aupo

2.10.5	2.10.5 TABLE: Distance through insulation measurements					
distance th	rough insulation di at/of:	U peak (V)	U rms (V)	Test voltage (V)	Required DTI (mm)	DTI (mm)
upor	Anbotek Anbotek	Anbo	h. botek	Anhore.	Aug Stek	anbotek.
Remark:	And otek anbotek	Anbor	K NOI	101	Anbo	abotek

4.3.8	TABLE: E	Batteries	inpoten V	up.	abotek	Anbe	200	Yu.	Papote
The tests of data is not a		applicable o	only when app	propriate b	attery	tek b	nbote.	Anbot	K P Anb
Is it possible	e to install t	he battery	in a reverse p	olarity pos	ition?	Apole K	Vu.	k an'	N/A
Aupola	Non-re	chargeable	e batteries		R	techargeal	ble batteri	es	
	Disch	arging	Un-	Cha	rging	Discha	arging	Reverse	d charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during normal condition	otek Andotek	Anbotek Anbotek	Anbotek Anbotek	2.65A	2.5A	3.10A	5A	Anbote Anbote	otek Anbi
Max. current during fault condition	Anbote ^k	otek - Aubo	lek Anbo	2.77A	2.5A	3.42A	5A P	,botek Anbotek	Anbotek Anbotek





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Test results:	See below	Verdict
- Chemical leaks	No leakaged	Р
- Explosion of the battery	No explosion	Р
- Emission of flame or expulsion of molten metal	No fire	Р
- Electric strength tests of equipment after completion of tests	No damaged	Р
Supplementary information:	ek W. Wolek	Anbote

4.3.8	TABLE: Batteries	Anboro	A abotek	Anbotek	Androne	Anbotak P Ar
Battery cate	egory	" upo	Rechargeabl	le Lithium ion C	ell	Yes
Dec.	er		Huanan Time	es New Energy	Technology Co.,	Ltd 🔌
Type / mod	lel	:	8865110			
140	ak		3.7V			
14.0			8000mAh			
.00	Certified by (incl. Ref.	No.):	SZES19030	1131801		
460	ection diagram:					Note
Anbotek		BA	T	1		
Arrantek						
And			C045	U003		
Anbox			0.1uF	GND VM		
rek Aup		VBAT		6 VDD VM 5 GND VM		
ibotek p		5	}			
Anbotek	anbotek	Ļ	R041		1K 2	
Anbo		001	470R	C033 1 1	hotel	
Anbord	ν	AT+	•	 	-	
Anbote	V V	002			- Anb	
tek anb	otek	AT-			GND	
hotek P]			
por b		BAT-				
Anbote.	Aug.		•	.027		notek

MARKINGS AND INSTRUCTIONS (1.7.13)	notek Anbotek Anbotek Anbotek
Location of replaceable battery	N/A
Language(s)	English
Close to the battery	N/A Anbotek Anbotek
In the servicing instructions	P Anbe tek potek Anbote Anb tek
In the operating instructions	P Anbote Anbote Anbote Anbote

4.5 TABLE. Thermal requirements	4.5	TABLE: Thermal requirements			Anbor	P
---------------------------------	-----	-----------------------------	--	--	-------	---



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Anbore	Supply voltage (V)	5Vdc	5Vdc	_
tek Yupo	Ambient T _{min} (°C)	25.7	25.6	
botek Ar	Ambient T _{max} (°C)	40.0	40.0	_
Maximum m	easured temperature T of part/at:	Т (Allowed T _{max} (°C)	
L1 winding	hotek Anbote" An-	61.6	104.6	130
PCB near U	All Notek Anbotek Anbo	55.7	103.7	130
E-cap. C1	And otek Anbotek Ant	53.2	57.6 And	105
PCB near mi	cro And tek	53.1 53.1	67.7	130
Surface of co	pil potek	48.5	50.2	130
Battery surfa	ce wholes	49.3	53.6	100
Enclosure in	side near L1	54.5	94.6	Ref.
Enclosure ou	itside near L1	51.0	91.7	80
Remark:	p.			V-

Remark:

Charged: Type-C: 5V

Discharged: Max. normal load

4.5.5	TABLE: Ball pressure test of thermoplastics	te. And	anbotek	N/A
K And	required impression diameter (mm)	≤ 2 mm	nbotek	- Kupo,
part		test temperature (°C)	impression (mr	
abotek	Anboth Am	b. Pupe	ie. Yui	rek
Remark:	Anbote Ann dek Anbotek Anbo	D-	hoter	Tupp rek

4.7 TABL	E: Resistance to fire	Anbote. Anu	rek.	botek Anbo	PATT
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence
Refer to table 1.5.	1 for details	ote, Yun	abotek	Anbor	An. otek
Supplementary int	formation:	Anbotek Anbo	r potek	Anbore	Vur Stek

5.1.6 TABLE:	Touch current m	easurement	Annatek	Anbotek Anbo	N/A
Condition	L → terminal A (mA)	N → terminal A (mA)	Limit (mA)	Comments	
Inbote And	Anbotek	Vupor. Vi	notek Anboten	Mups	nbotek
Remark:				Anbo Kek	

5.2	TABLE: E	lectric s	strength te	sts, impulse	tests and voltag	e surge tes	ts nbote	N/A	
682	8						De.		





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Test voltage applied between:	Voltage shape (AC, DC, impulse, surge)	Test voltage (V)	Breakdown Yes / No
Inpoter And tek potek A			
Supplementary information:			.e/k

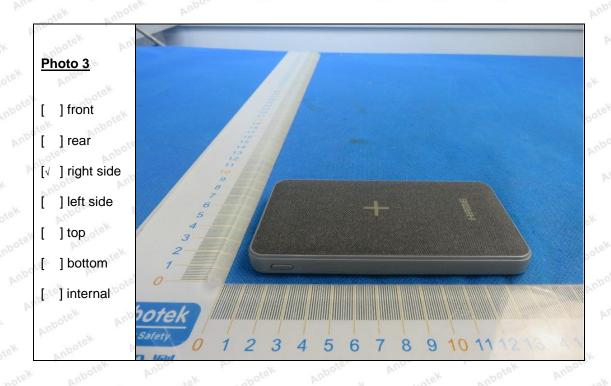
5.3.5	Aupore	TABLE	: Fault co	ondition to	ests	boc	bu.	tek Anbotek Anbo	ek P nbo	
rek	Anb	ambien	it tempera	ture (°C)	otek	Anbote	V. Vin	: 25 ℃		
botek	P	model/f	type of po	wer supply	V. Worley	Anboi	-/r by	: See below		
nbo	FEK	manufa	facturer of power supply See page 1				er of power supply See page 1			
rated markings of power supply		:	.: See rating label							
No.	Comp No.	oonent	Fault	Test voltage (V)	Test time	Fuse #.	Fuse current (A)	Result		
bolek	1 U1 pin23-29		SC	5VDC	10min			Unit shut down immediately, no damaged, no hazard.		
20	Q1 p	in2-3	sc	5VDC	10min	- Ani	-otek	Output normal work, No da hazards	ımaged, no	
3	3 R52		SC	5VDC	10min	otek.	un npotek	Output normal work, No damag hazards		
4	Battery		Overch arge	5VDC	7h	nbotek	Anbok	Temperature stability and n	o hazards.	
V			Over dischar ge	3.8VDC	noo'7h	Anbote Anb	otek Ani	Temperature stability and n	o hazards.	

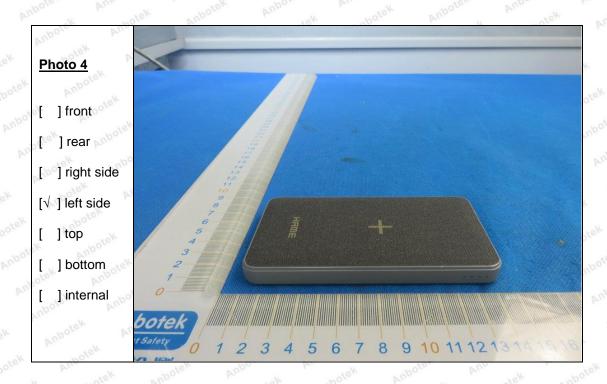
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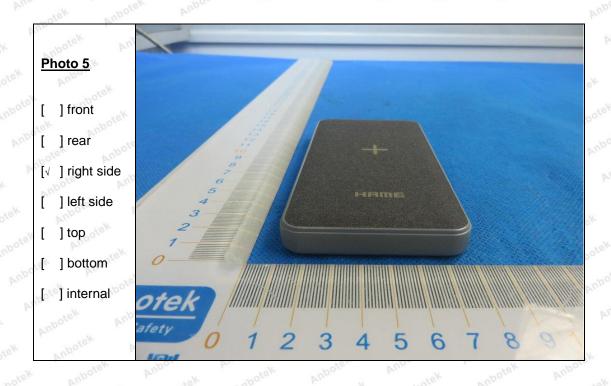
- 1) SC: short-circuit, OC: Open circuit, O-L: Over load.
- 2) Load: Max. normal load







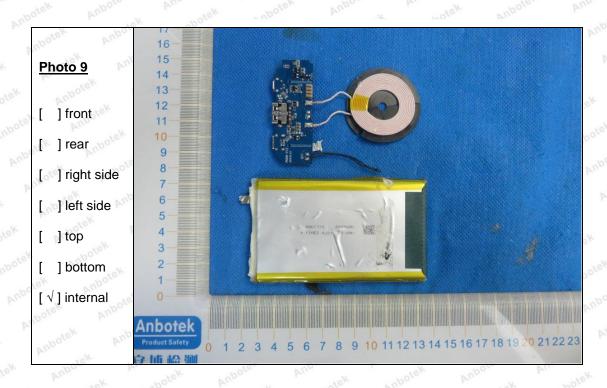




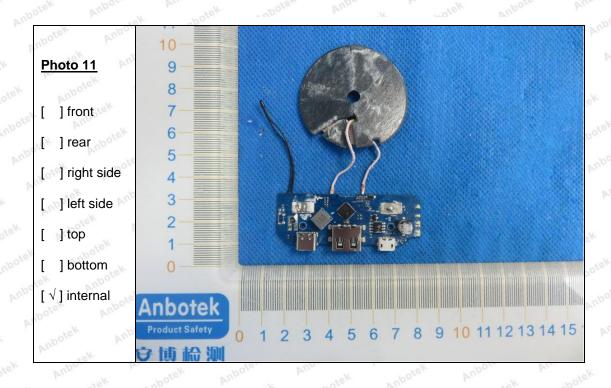


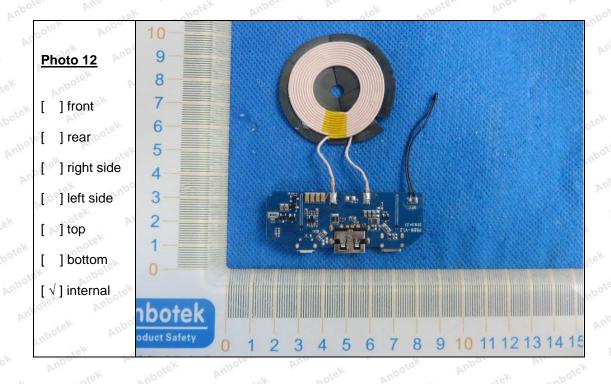


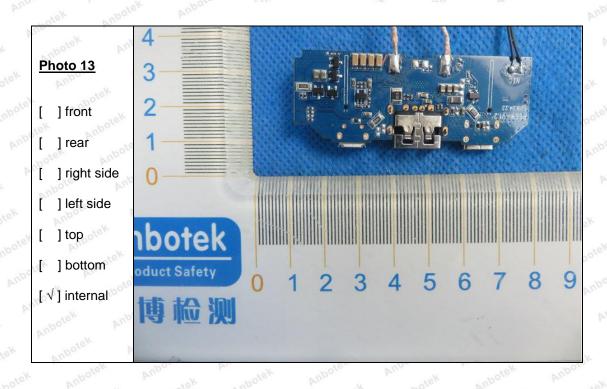


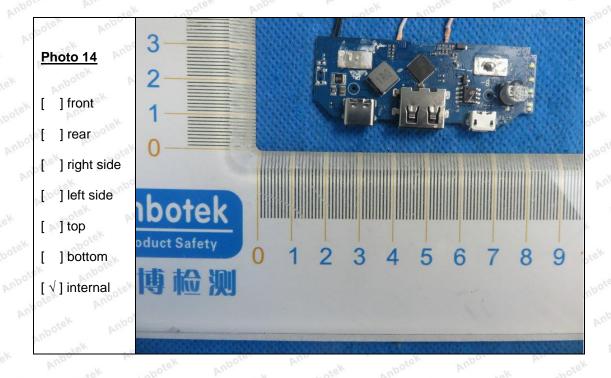


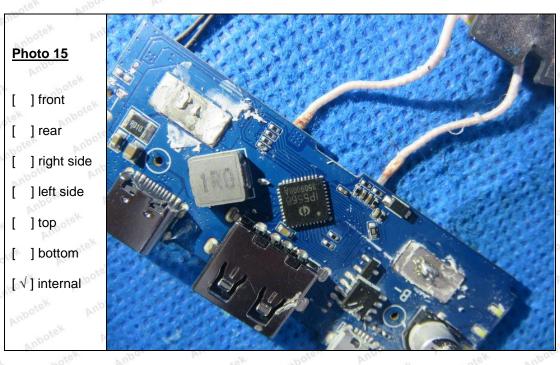












End of report