



Test Report issued under the responsibility of:



TEST REPORT
IEC 62368-1
Audio/video, information and communication technology equipment
Part 1: Safety requirements

Report Number..... : 60445084 001
Date of issue : Mar.11, 2022
Total number of pages : 80

Name of Testing Laboratory preparing the Report : TÜV Rheinland (Shenzhen) Co., Ltd.

Applicant's name : TPV Electronics (Fujian) Co., Ltd.

Address : Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian, P.R.China

Test specification:

Standard : IEC 62368-1:2018
Test procedure..... : CB Scheme
Non-standard test method..... : N/A

TRF template used : IECEE OD-2020-F1:2020, Ed.1.3

Test Report Form No...... : IEC62368_1E

Test Report Form(s) Originator.... : UL(US)

Master TRF : Dated 2021-02-04

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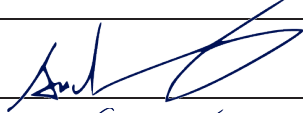

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Test item description	LCD Monitor	
Trade Mark(s)	AOC	
Manufacturer	TPV Electronics (Fujian) Co., Ltd. Rongqiao Economic and Technological Development Zone Fuqing City, Fujian, P.R.China	
Model/Type reference	Q24G2, C*24G2*****, 24G2***** (* can be 0-9, A-Z, a-z, -, \, /, + or blank, represent different sales region and enclosure colour for marketing purpose)	
Ratings	I/P: 100-240V~, 50/60Hz, 1.5A	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.
Testing location/ address	1601 R&D Room, 1602-1604, 17-18F, Building 7 Site C, Vanke Cloud City Phase I, Xingke First Street, Xili Street, Xili Community, Nanshan District, Shenzhen 518052, P.R. China	
Tested by (name, function, signature)	Anderson Wang Senior Project Manager	
Approved by (name, function, signature) ..	Steven Lin Technical Reviewer	
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature) ..		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):

- Measurement Section (3 Pages)
- National Differences (30 Pages)
- Photo documentation (8 Pages)

Summary of testing:**Tests performed (name of test and test clause):**

name of test	test clause number
Classification of electrical energy sources	5.2
Accessibility to electrical energy sources and safeguards (Accessibility test)	5.3.2
Maximum operating temperature test (Heating test)	5.4.1.4, 9.3, B.1.5, B.2.6
Determination of working voltage	5.4.1.8
Ball pressure test	5.4.1.10.3
Minimum Clearances/Creepage distance	5.4.2, 5.4.3
Humidity test	5.4.8
Electric strength test	5.4.9
Safeguards against capacitance discharge test	5.5.2.2
Resistance of the protective bonding system (Ground continuity test)	5.6.6
Unearthed accessible parts	5.7.4
Earthed accessible conductive part test	5.7.5
Electrical Power Source (PS) measurements for classification	6.2.2
Top Openings in Fire Enclosure	6.4.8.3.3
Bottom Openings in Fire Enclosure	6.4.8.3.4
Stability	8.6
Wall or ceiling mount loading test	8.7
Input test	Annex B.2.5
Abnormal operating and fault condition tests	Annex B.3, B.4
Test for permanence of markings	Annex F.3.10
Transformer insulation	Annex G.5.3.2
Transformer overload	Annex G.5.3.3
Safeguards against entry of foreign object	Annex P.2.2
Adhesive test	Annex P.4
Limited power source test (LPS)	Annex Q.1
Limited short circuit test	Annex R
Steady force test, 10N, 30N, 250N	Annex T.2, T.3, T.5
Enclosure impact test	Annex T.6
Stress relief test	Annex T.8

Testing location:

All tests as described in Test Case and Measurement Sections were performed at the laboratory described on page 2.

Summary of compliance with National Differences (List of countries addressed):

EU Group Differences, EU Special National Conditions, CA, DK, SG, US

Explanation of used codes: CA=Canada, DK=Denmark, SG=Singapore, US=United States of America

The product fulfils the requirements of EN IEC 62368-1:2020+ A11:2020 and BS EN IEC 62368-1:2020 + A11: 2020.

For National Differences see corresponding Attachment.

Statement concerning the uncertainty of the measurement systems used for the tests

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:












Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.












Statement not required by the standard used for type testing












Copy of marking plate:

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



 LCD MONITOR/液晶顯示器/모니터		 <p>Warning: Shock Hazard, Do Not Open. Peringatan: Bahaya Kejutan Listrik, Jangan Dibuka 高壓注意: 非專業維修人員請勿打開後蓋。 警告: 使用過度恐傷害視力</p>		  		 <p>日通商事株式会社 100V~ only for Japan</p>	
<p>Model Name/Nama Model/機種名/모델명 Өнімнің атауы/Наименование продукта: Model No./型號:</p>		<p>24G2AE 24G2</p>		<p>HDMI</p>		<p>XXXXXXXX-XXXXX R-R-TPF-24G2</p>	
<p>Power Rating/Tegangan/額定電源/정격입력: 100-240V~ 50/60Hz 1.5A</p>						 <p>XXXXXXXXXXXXXXXXXX</p>	
<p>製造商名稱: 福建捷聯電子有限公司 製造商地址: 福建省福清市融僑經濟技術開發區 상호명: TPV Electronics(Fujian) Co., Ltd. 제조업체명: TPV Display Technology (Beihai) Co., Ltd. 판매명: (주)알파스켄디스플레이 제조A/S 문의처: 1544-7739 Made in China/Buatan China/제조국: 중국/中國製造 D40G024N-615-XXX</p>		<p>Top Victory Electronics Co., Ltd.</p> 		 <p>R33037 RoHS</p>		<p>XXXXXXXX-XX</p>	

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<p>Model Name/Nama Model/機種名/모델명 Өнімнің атауы/Наименование продукта: Model No./型號:</p>		<p>24G2/BK 24G2</p>		<p>HDMI</p>		<p>XXXXXXXX-XXXXX R-R-TPF-24G2</p>	
<p>Power Rating/Tegangan/額定電源/정격입력: 100-240V~ 50/60Hz 1.5A</p>						 <p>XXXXXXXXXXXXXXXXXX</p>	
<p>製造商名稱: 福建捷聯電子有限公司 製造商地址: 福建省福清市融僑經濟技術開發區 상호명: TPV Electronics(Fujian) Co., Ltd. 제조업체명: TPV Display Technology (Beihai) Co., Ltd. 판매명: (주)알파스켄디스플레이 제조A/S 문의처: 1544-7739 Made in China/Buatan China/제조국: 중국/中國製造 D40G024N-615-XXX</p>		<p>Top Victory Electronics Co., Ltd.</p> 		 <p>R33037 RoHS</p>		<p>XXXXXXXX-XX</p>	

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<p>Model Name/Nama Model/機種名/모델명 Өнімнің атауы/Наименование продукта: Model No./型號:</p>		<p>24G2/BK 24G2SAE</p>		<p>HDMI</p>		<p>XXXXXXXX-XXXXX R-R-TPF-24G2</p>	
<p>Power Rating/Tegangan/額定電源/정격입력: 100-240V~ 50/60Hz 1.5A</p>						 <p>XXXXXXXXXXXXXXXXXX</p>	
<p>製造商名稱: 福建捷聯電子有限公司 製造商地址: 福建省福清市融僑經濟技術開發區 상호명: TPV Electronics(Fujian) Co., Ltd. 제조업체명: TPV Display Technology (Beihai) Co., Ltd. 판매명: (주)알파스켄디스플레이 제조A/S 문의처: 1544-7739 Made in China/Buatan China/제조국: 중국/中國製造 D40G024N-615-XXX</p>		<p>Top Victory Electronics Co., Ltd.</p> 		 <p>R33037 RoHS</p>		<p>XXXXXXXX-XX</p>	

Note: All models rating label are similar except for type designation. Above labels are representing the other models.