

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

LCD Monitor

Name and address of the applicant

TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic & Technological Development
Zone, Fuqing, Fujian, China

Name and address of the manufacturer

TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic & Technological Development
Zone, Fuqing, Fujian, China

Name and address of the factory

See page 2

Note: When more than one factory, please report on page 2

 Additional Information on page 2

Ratings and principal characteristics

Input: 19 V d.c., 2 A or 5 V d.c., 3 A; Class III

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

-

Model / Type Ref.

16G3, 16T3EA, 16T3E, 16T3NE, 16***** (*
can be A-Z, a-z, 0-9, blank or symbol +, -, /, \, or sign
absence or no mark or no symbol)Additional information (if necessary may also be
reported on page 2)

Other rating: IPX0; Tma: 40 °C; Max. altitude: 5000 m

 Additional Information on page 2A sample of the product was tested and found
to be in conformity withIEC 60950-1:2005, IEC 60950-1:2005/AMD1:2009,
IEC 60950-1:2005/AMD2:2013

National Differences:

CN, JP, US, CA, SG

SZES230300188101

As shown in the Test Report Ref. No. which
forms part of this Certificate

This CB Test Certificate is issued by the National Certification Body

SGS Fimko Ltd
Takomotie 8
FI-00380 Helsinki, Finland

Date: 2023-07-24

Signature:

Ralf Klingberg
Certification Manager

Name and address of the factories:

- 1, TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic & Technological Development Zone, Fuqing, Fujian, China
- 2, TPV Electronics (Fujian) Co., Ltd.
Shangzheng, Yuan Hong Road, Fuqing, Fujian, China
- 3, TPV Electronics (Fujian) Co., Ltd.
Optoelectronic Park, Rongqiao Economic and Technological Development Zone, Fuqing, Fujian, China
- 4, L&T Display Technology (Fujian) Ltd.
Optoelectronic Park, Rongqiao Economic and Technological Development Zone, Fuqing, Fujian, China
- 5, TPV Display Technology (China) Co., Ltd.
No.106 Jinghai 3 Rd., BDA, Beijing, 100176, China
- 6, TPV Display Technology (Wuhan) Co., Ltd.
Unique No. 11 Zhuankou Development District of Economic Technological Development Zone, Wuhan, Hubei, China
- 7, TPV Display Technology (Beihai) Co., Ltd.
China Electronic Beihai Industry Park, Northeast of the Crossing between Taiwan Road and Jilin Road, Beihai, Guangxi, China
- 8, TREND SMART CE MEXICO S. DE R.L. DE C.V.
Sor Juana, Ines de la Cruz No.19602 Nueva, C.P. 23435, Tijuana, Baja California, Mexico
- 9, Envision Indústria de Produtos Eletrônicos Ltda.
Av. Torquato Tapajós, 2236, Flores, CEP 69058-830, Manaus, AM, Brazil
- 10, TPV Technology (Thailand) Co., Ltd.
No. 267 Mu7, Tha Tum Sub- District, Si Maha Pho District, Prachinburi, Thailand
- 11, GeneTouch Corporation
No. 9, Neixi Rd., Luzhu Dist., Taoyuan, 338012, Taiwan
- 12, Dixon Technologies (India) Ltd.
EMC-2, Shed No. 2,4,5,6 & 7, Near Tirupati Airport, Village Govindhavaram, Munagalapalem Post, Revenue Vikruthamala, Yerpedu Mandelam, District-Chittoor, 517526, Andhra Pradesh, India
- 13, Fábrica Austral de Productos Eléctricos S.A.
Islas Malvinas 1180, Rio Grande (9420), Provincia de, Tierra del Fuego, Antártida e Islas del Atlántico Sur, Argentina
- 14, Sichuan Greatwall Computer System Co., Ltd.
1# Kechuang Road, Jiangyang District, Luzhou, Sichuan, China

SGS Fimko Ltd
Takomotie 8
FI-00380 Helsinki, Finland



Date: 2023-07-24

Signature: 

Ralf Klingberg
Certification Manager



Test Report issued under the responsibility of:



TEST REPORT
IEC 60950-1
Information technology equipment – Safety –
Part 1: General requirements

Report Number..... : SZES230300188101
Date of issue..... : 2023-07-24
Total number of pages 49 pages

Name of Testing Laboratory preparing the Report : SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Applicant's name : TPV Electronics (Fujian) Co., Ltd.
Address..... : Rongqiao Economic & Technological Development Zone, Fuqing, Fujian, China

Test specification:

Standard : IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
Test procedure : CB Scheme
Non-standard test method : N/A

Test Report Form No. : IEC60950_1G
Test Report Form(s) Originator : SGS Fimko Ltd
Master TRF : Dated 2019-07-02

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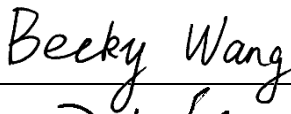

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description :	LCD Monitor	
Trade Mark :		
Manufacturer	Same as applicant	
Model/Type reference :	16G3, 16T3EA, 16T3E, 16T3NE, 16***** (* can be A-Z, a-z, 0-9, blank or symbol +, -, /, \, or sign absence or no mark or no symbol)	
Ratings :	Input: 19 V d.c., 2 A or 5 V d.c., 3 A; Class III	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Testing location/ address	No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China	
Tested by (name, function, signature) :	Becky Wang / Project Engineer	
Approved by (name, function, signature) .. :	Ruby Yan / Report Reviewer	
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	N/A
Testing location/ address		
Tested by (name, function, signature) :		
Approved by (name, function, signature) .. :		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	N/A
Testing location/ address		
Tested by (name + signature) :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	N/A
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	N/A
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):

Attachment 1: 21 pages of Photos;

Attachment 2: 5 pages of CHINA NATIONAL DIFFERENCES.

Attachment 3: 14 pages of JAPAN NATIONAL DIFFERENCES;

Attachment 4: 5 pages of U.S.A. NATIONAL DIFFERENCES;

Attachment 5: 5 pages of CANADA NATIONAL DIFFERENCES;

Attachment 6: 2 pages of SINGAPORE NATIONAL DIFFERENCES.

Summary of testing:

The sample(s) tested complies with the requirements of IEC 60950-1:2005 + Am 1:2009 + Am 2:2013.

Heating test: T_{ma} = 40 °C (Declared by manufacturer).

Representative model(s) for full testing: 16G3 with construction version1.

Below additional tests were considered necessarily on EUTs with other three construction versions respectively:

Unit	Test item
Unit with construction version 2	1.6.2, 2.2, 4.2, 4.5, 5.3
Unit with construction version 3	1.6.2, 2.2, 2.5, 4.2.7, 4.5, 5.3
Unit with construction version 4	1.6.2, 2.2, 4.5, 5.3

T-type thermocouple used for temperature measurement.

Operation mode under test: Unless otherwise specified, all tests were carried out with 1kHz signal for speaker, and three vertical bar products three equidistant vertical white bars on a black background and maximum brightness and contrast.

There are four construction versions in this report:

Construction version	Input	Main board	LCD panel	With Speaker or not	Appearance of Rear view
1	19 V d.c., 2 A powered by external power supply model No. ADPC1938E X	715GD785	N156***** * (* can be A to Z, a to z, 0 to 9, '+', '-', '\', '/', '.' or blank)	Yes	Type A
2	5 V d.c., 3 A powered by external power source (DC 5 V) through USB type-C which complies with LPS	715GE004 version 1	LP156***** ** (* can be A to Z, a to z, 0 to 9, '+', '-', '\', '/', '.' or blank)	No	Type B
3	19 V d.c., 2 A powered by external power supply model No. ADPC1938E	715GE004 version 2	LP156***** ** (* can be A to Z, a to z, 0 to 9, '+', '-', '\', '/', '.' or blank)	No	Type B

	X or external power source (DC 19 V) through USB type-C which complies with LPS				
4	5 V d.c., 3 A powered by external power source (DC 5 V) through USB type-C which complies with LPS	715GD989	N156***** * (* can be A to Z, a to z, 0 to 9, '+', '-', '\', '/', '!' or blank)	No	Type B
Tests performed (name of test and test clause): <input checked="" type="checkbox"/> 1. GENERAL <input checked="" type="checkbox"/> 2. PROTECTION FROM HAZARDS <input checked="" type="checkbox"/> 3. WIRING, CONNECTIONS AND SUPPLY <input checked="" type="checkbox"/> 4. PHYSICAL REQUIREMENTS <input checked="" type="checkbox"/> 5. ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS <input type="checkbox"/> 6. CONNECTION TO TELECOMMUNICATION NETWORKS <input type="checkbox"/> 7. CONNECTION TO CABLE DISTRIBUTION SYSTEMS			Testing location: SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China		
Summary of compliance with National Differences: List of countries addressed: CN, JP, US, CA, SG <input checked="" type="checkbox"/> The product fulfils the requirements of GB 4943.1—2011; J60950-1 (H29); UL 60950-1-07(Second Edition) + A1: 2011 + A2: 2014; CAN/CSA-C22.2 No. 60950-1-07, Amd 1:2011, Amd 2:2014. The national differences of AR, BE, GR, HU, IN, MY, SK, KEN, CZ have been also checked and found to include no nation differences or deviations from the IEC 60950-1: 2005 + Am 1:2009 + Am 2:2013. The manufacturer declared that the product also fulfilled of the requirements of SANS 60950-1: 2014 (Edition 2.2) / IEC 60950-1: 2013 (Edition 2.2)					

