

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

100 V - 240 V~; 50 Hz / 60 Hz; 1,5 A; Class I

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

-

Model / Type Ref.

27B3CA2, 27B3CF2, Q27B3CF2, **27B*****
(* 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 2

A sample of the product was tested and found
to be in conformity with

IEC 62368-1:2014

National Differences:

EU Group Differences, AU, NZ, JP, US, CA, SA

SZES230900597701

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

SGS

Date: 2023-11-17

Signature:

Mark Lohmann
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. Envision Indústria de Produtos Eletrônicos Ltda.
Av. Torquato Tapajós, 2236, Flores, CEP 69058-830, Manaus, AM, Brazil
8. TPV Technology (Thailand) Co., Ltd.
No. 267 Mu7, Tha Tum Sub- District, Si Maha Pho District, Prachinburi, Thailand

SGS Fimko Ltd
Takomotie 8
FI-00380 Helsinki, Finland



Date: 2023-11-17

Signature:



Mark Lohmann
Certification Manager



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 : SZES230900597701

Date of issue..... : 2023-11-17

Total number of pages..... : 75 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 62368-1:2014

Test procedure : CB Scheme

Non-standard test method : N/A

TRF template used : IECEE OD-2020-F1:2021, Ed.1.4

Test Report Form No..... : IEC62368_1D

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

Master TRF : Dated 2022-04-14

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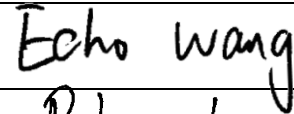
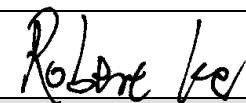
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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

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(s) |  | |
| Manufacturer | Same as Applicant | |
| Model/Type reference | 27B3CA2, 27B3CF2, Q27B3CF2, **27B***** (* can be A-Z, a-z, 0-9, blank or symbol +, -, /, \, or sign absence or no mark or no symbol) | |
| Ratings | 100 - 240 V ~, 50 / 60 Hz, 1,5 A, Class I | |
| 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) | Echo Wang / Project Engineer |  |
| Approved by (name, function, signature) | Robert Ke / Report Reviewer |  |
| Testing procedure: CTF Stage 1: | | |
| Testing location/ address | | |
| Tested by (name, function, signature) | | |
| Approved by (name, function, signature) | | |
| Testing procedure: CTF Stage 2: | | |
| Testing location/ address | | |
| Tested by (name, function, signature) | | |
| Witnessed by (name, function, signature) | | |
| Approved by (name, function, signature) | | |
| Testing procedure: CTF Stage 3 : | | |
| 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) | | |

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| List of Attachments (including a total number of pages in each attachment): Attachment 1: 12 pages of Photos. Attachment 2: 5 pages of Construction of Transformer; Attachment 3: 10 pages of EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES; Attachment 4: 32 pages of AUSTRALIA / NEW ZEALAND NATIONAL DIFFERENCES; Attachment 5: 4 pages of JAPAN NATIONAL DIFFERENCES; Attachment 6: 5 pages of U.S.A. AND CANADA NATIONAL DIFFERENCES; Attachment 7: 1 page of SAUDI ARABIA NATIONAL DIFFERENCES. | |
| Summary of testing: The sample(s) tested complies with the requirements of IEC 62368-1: 2014. Representative model(s) for full testing: 27B3CA2. Heating test: Tma = 40 °C (Declared by manufacturer). T-type thermocouple used for temperature measurement. Operation mode under test: Unless otherwise specified, all tests were carried out with three vertical bar products three equidistant vertical white bars on a black background and maximum brightness and contrast. | |
| Tests performed (name of test and test clause): <input checked="" type="checkbox"/> 4. General requirements <input checked="" type="checkbox"/> 5. Electrically-caused injury <input checked="" type="checkbox"/> 6. Electrically-caused fire <input type="checkbox"/> 7. Injury caused by hazardous substances <input checked="" type="checkbox"/> 8. Mechanically-caused injury <input checked="" type="checkbox"/> 9. Thermal burn injury <input checked="" type="checkbox"/> 10. Radiation <input checked="" type="checkbox"/> Annex B. Normal operating condition tests, abnormal operating condition tests and single fault condition tests <input checked="" type="checkbox"/> Annex F.3.9. Performance of Marking test <input type="checkbox"/> Annex M. Equipment Containing Batteries And Their Protection Circuits <input checked="" type="checkbox"/> Annex P.4 Metallized coatings and adhesive securing parts <input checked="" type="checkbox"/> Annex Q. Limited Power Source <input checked="" type="checkbox"/> Annex T. Mechanical strength tests <input checked="" type="checkbox"/> Annex V. Determination of accessible parts | 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): EU Group Differences, AU, NZ, JP, US, CA, SA, GB <input checked="" type="checkbox"/> The product fulfils the requirements of EN 62368-1:2014 + A11:2017, AS/NZS 62368.1:2018, J62368-1 (2020), UL 62368-1: 2014 Ed.2, CSA C22.2 No. 62368-1: 2014 Ed.2, SASO-IEC-62368-1, BS EN 62368-1:2014 + A11:2017. | |