

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

CB TEST CERTIFICATE

Product

OLED 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

MMD (Shanghai) Electronics Technology Co., Ltd.  
Room 5060A, No.2 Building, 555 Dongchuan Road,  
Minhang District, Shanghai, 200241, 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; 4,5 A; Class I

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

-

Model / Type Ref.

49M2C89, 49M2C8900, 49M\*\*\*\*\* (\* 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 60950-1:2005, IEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013

National Differences:

CN, JP, US, CA, SG

SZES230300185401

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: 2023-07-31

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: 2023-07-31

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..... : SZES230300185401
Date of issue..... : 2023-07-31
Total number of pages ..... 96 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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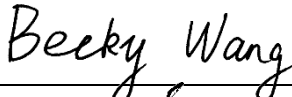
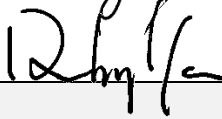
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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

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.

<b>Test item description</b> ..... :	OLED Monitor	
<b>Trade Mark</b> ..... :		
<b>Manufacturer</b> .....	MMD (Shanghai) Electronics Technology Co., Ltd. Room 5060A, No.2 Building, 555 Dongchuan Road, Minhang District, Shanghai, 200241, China	
<b>Model/Type reference</b> ..... :	49M2C89, 49M2C8900, 49M***** (* can be A-Z, a-z, 0-9, blank or symbol +, -, /, \, or sign absence or no mark or no symbol)	
<b>Ratings</b> ..... :	100 - 240 V ~, 50 / 60 Hz, 4,5 A, Class I	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
<b>Testing location/ address</b> .....	No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China	
<b>Tested by (name, function, signature)</b> ..... :	Becky Wang / Project Engineer	
<b>Approved by (name, function, signature)</b> .. :	Ruby Yan / Report Reviewer	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	N/A
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Approved by (name, function, signature)</b> .. :		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	N/A
<b>Testing location/ address</b> .....		
<b>Tested by (name + signature)</b> ..... :		
<b>Witnessed by (name, function, signature)</b> . :		
<b>Approved by (name, function, signature)</b> .. :		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	N/A
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	N/A
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Witnessed by (name, function, signature)</b> . :		
<b>Approved by (name, function, signature)</b> .. :		
<b>Supervised by (name, function, signature)</b> :		

<p><b>List of Attachments (including a total number of pages in each attachment):</b></p> <p>Attachment 1: 12 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.</p>	
<p><b>Summary of testing:</b></p> <p>The sample(s) tested complies with the requirements of IEC 60950-1:2005 + Am 1:2009 + Am 2:2013. No decision rule is specified by standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method")</p> <p>Representative model(s) for full testing: 49M2C8900.  Heating test: Tma = 40 °C (Declared by manufacturer)  T-type thermocouple used for temperature measurement.  Unless otherwise specified, all tests were carried out with 1kHz signal and three vertical bar products three equidistant vertical white bars on a black background and maximum brightness and contrast.</p>	
<p><b>Tests performed (name of test and test clause):</b></p> <p><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</p>	<p><b>Testing location:</b></p> <p>SGS-CSTC Standards Technical Services Co., Ltd.  Shenzhen Branch  No. 1 Workshop, M-10, Middle section, Science &amp; Technology Park, Shenzhen, Guangdong, China.</p>
<p><b>Summary of compliance with National Differences:</b></p> <p><b>List of countries addressed:</b> CN, JP, US, CA, SG  <input checked="" type="checkbox"/> <b>The product fulfils the requirements of GB 4943.1—2011; J60950-1 (H29);</b>  UL 60950-1-07(Second Edition) + A1: 2011 + A2: 2014;  CAN/CSA-C22.2 No. 60950-1-07, Amd 1:2011, Amd 2:2014.</p> <p>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)</p>	

**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.

**For model No. 49M2C89:**

 <p>OLED Monitor/OLED 顯示器 / Monitor OLED/OLED-монитор 製造號碼: 參考條碼標籤 Serial No.: Refer to barcode label</p>	<p>Model No. / 型號 / модель номер / Modelo: 49M2C89</p>	<p>MMD-Monitors &amp; Displays Nederland B.V. Prins Bernhardplein 200, 1097 JB Amsterdam, the Netherlands CAN ICES-003(B)/NMB-003(B)</p>	  <p>تحذير: يجب أن يتم تركيب هذا الجهاز بحسب طرق العطاء إلا إذا كانت موهلة للقيام بذلك</p>
	<p>Rating / 電壓 / Входная мощность / Potencia nominal: 100-240V~50/60Hz 4.5A</p> <p>Manufactured / 製造日期 / Дата изготовления: May 2023</p> <p>Made in China / Fabriqué en Chine / 中國製造 / сделано в Китае / Fabricado en China</p>		
<p>MODEL ID: 49M2C8900/XX</p>  <p>SERIAL NUMBER:</p> 	<p><b>ES</b></p> <p><b>WARNING:</b> This apparatus must be earthed. Dieser Apparat muss geerdet sein. Nylver remove covers unless qualified to do so. Laitte on liitettävä suojakoskettimilla varustettuun pistorasiaan. Apparatet må tilkoples jordat stikkontakt. Apparaten skall anslutas till jordat uttag. Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.</p>	<p><b>EAC</b></p> <p><b>CE</b></p> <p><b>TUV Rheinland</b></p> <p><b>ISO 9001:2015</b></p> <p><b>TUV Rheinland</b></p> <p><b>CERTIFIED</b></p> <p><b>UK CA</b></p> <p><b>HDMI</b></p> <p>Q40G049N81341A XX P</p>	

**Remark:**

- The marking plates as above of other models are of the same pattern.
- The above markings are the minimum requirements required by the safety standard. For the final production, the additional markings which do not give rise to misunderstanding may be added.