



Ref. Certif. No.

JPTUV-046656-A1

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

LCD MONITOR

Name and address of the applicant
Nom et adresse du demandeur

TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Rd., Shang-Zheng Hong-Lu
Fuqing City Fujian 350301, P.R. China

Name and address of the manufacturer
Nom et adresse du fabricant

TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Rd., Shang-Zheng Hong-Lu
Fuqing City Fujian 350301, P.R. China

Name and address of the factory
Nom et adresse de l'usine

See additional page(s)

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

AC 100-240V; 50/60Hz; 1.5A; Class I

Trade mark (if any)
Marque de fabrique (si elle existe)

AOC

Model/type Ref.
Ref. de type

230LM00024, *2360****, 230LM000**
(* = 0-9, A-Z, a-z, -, \, /, + or blank)

Additional information (if necessary)
Information complémentaire (si nécessaire)

For model differences, refer to the test report.
Re-issue of JPTUV-046656 dated 11.10.2012,
due to non-technical change.

A sample of the product was tested and found to be in conformity with
Un échantillon de ce produit a été essayé et a été considéré conforme à la

IEC 60950-1:2005+A1
National differences see test report

As shown in the Test Report Ref. No. which forms part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue une partie de ce Certificat

17028017 002

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification



TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 22.10.2012

Signature:

Dipl.-Ing. (FH) C. Nasca

1. TPV Technology (Beijing) Co., Ltd.
No. 10, Jiu Xian Qiao Rd.
Chao Yang District, Beijing 100016
P.R. China
2. Tatung Mexico S.A. de. C.V.
Ave. Rosa Ma. Fuentes #7050
Complejo Industrial Fuentes
C.P. 32320, Cd. Juarez. Chih,
MEXICO
3. TPV Display Technology (Wuhan)
Co., Ltd.
Unique No. 11, Zhuankou Development
District of Economic Technological
Development Zone, Wuhan City 430056, P.R. China
4. TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Rd., Shang-Zheng Hong-Lu
Fuqing City Fujian 350301
P.R. China
5. Envision Industry of Electronic
Products Ltd.
895, Joao Marcos Pozzetti Street,
Industrial District II,
69.075-215 Manaus, Am, Brazil
6. Tatung Czech s.r.o
U Nove Hospody 4
30100 Plzen
Czech Republic
7. Envision Industry of Electronic
Products Ltd.
Rodovia Anhanguera S/N-KM 49
13.205-700 Tijuco Preto-Jundiai-SP-
Brazil
8. TPV Displays Polska Sp. z o.o.
ul. Zlotego Smoka 9
66-400 Gorzów Wlkp.
Poland
9. L&T Display Technology (Fujian) Ltd.
Optoelectronic Park, Rongqiao
Economic and Technological
Development Zone
Fuqing, Fujian 350301, P.R. China

Additional information (if necessary)
Information complémentaire (si nécessaire)

Report Ref. No.: 17028017 002



Date: 22.10.2012

Signature:

Dipl.-Ing. (FH) C. Nasca


10. TPV Display Technology (Beihai)
Co., Ltd.
China Electronic Beihai Industry
Park, Northeast of the Crossing
Between Taiwan Road and Jilin Road, Beihai City, Guangxi, P.R. China
11. Envision Industry of Electronic
Products Ltd.
Av Torquato Tapajós 7503,
Galpão : II Bloco: B-Condomínio
de Galpões-Tarumã-Manaus, AM, Brazil
12. TPV Technology (Qingdao)
Co., Ltd.
No.99 Huoju Road, High-tech Industrial
Development Zone
Qingdao City, Shandong Province, P.R. China

Additional information (if necessary)
Information complémentaire (si nécessaire)

Report Ref. No.: 17028017 002

Date: 22.10.2012

Signature:


Dipl.-Ing. (FH) C. Nasca



Test Report issued under the responsibility of:



TEST REPORT IEC 60950-1 Information technology equipment – Safety – Part 1: General requirements	
Report Number	17028017 002
Date of issue	22.Oct.2012
Total number of pages	6 pages
CB Testing Laboratory	TÜV Rheinland (Shenzhen) Co., Ltd.
Address	3 & 4 F, Cybio Technology Building No. 1, Langshan No. 2 Road South, 5th Industrial Area, High-Tech Industry Park North, Nanshan District, 518057, Shenzhen, P.R. China
Applicant's name	TPV Electronics (Fujian) Co., Ltd.
Address	Yuan Hong Rd., Shang-Zheng Hong-Lu, Fuqing City Fujian 350301 P.R. China
Manufacturer's name	Same as applicant
Address	Same as applicant
Test specification:	
Standard	IEC 60950-1:2005 (Second Edition); Am 1:2009
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No	IEC60950_1C
Test Report Form(s) Originator	SGS Fimko Ltd
Master TRF	Dated 2012-08
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If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.	
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.	
Test item description	LCD MONITOR
Trade Mark	AOC
Manufacturer	See above

Model/Type reference	230LM00024, *2360****, 230LM000** (The symbol * can be 0-9, A-Z, a-z, -, \, /, + or blank for marketing purpose. Model 230LM00024 is one of the specified model name of 230LM000**, listed by client' request.)
Ratings	I/P: 100-240Vac, 50/60Hz, 1.5A

Testing procedure and testing location:	
<input checked="" type="checkbox"/> CB Testing Laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.
Testing location/ address	3 & 4 F, Cybio Technology Building No. 1, Langshan No. 2 Road South, 5th Industrial Area, High-Tech Industry Park North, Nanshan District, 518057, Shenzhen, P.R. China
<input type="checkbox"/> Associated CB Laboratory:	N/A
Testing location/ address	N/A
Tested by (name + signature).....	Steven Lin
Approved by (name + signature)	Aegean Li
<input type="checkbox"/> Testing procedure: TMP	N/A
Testing location/ address	N/A
Tested by (name + signature).....	
Approved by (name + signature)	
<input type="checkbox"/> Testing procedure: WMT	N/A
Testing location/ address	N/A
Tested by (name + signature).....	
Witnessed by (name + signature).....	
Approved by (name + signature)	
<input type="checkbox"/> Testing procedure: SMT	N/A
Testing location/ address	N/A
Tested by (name + signature).....	
Approved by (name + signature)	
Supervised by (name + signature).....	
<input type="checkbox"/> Testing procedure: RMT	N/A
Testing location/ address	N/A
Tested by (name + signature).....	
Approved by (name + signature)	
Supervised by (name + signature).....	

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

N/A

Summary of testing:

Tests performed (name of test and test clause):

N/A

Testing location:

N/A

Summary of compliance with National Differences

See original report 17028017 001.

Copy of marking plate

See original report 17028017 001.

Test item particulars:	
Equipment mobility.....:	<input checked="" type="checkbox"/> movable (for unit with base stand) <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input checked="" type="checkbox"/> stationary (for unit without base stand) <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in
Connection to the mains	<input checked="" type="checkbox"/> pluggable equipment <input checked="" type="checkbox"/> type A <input type="checkbox"/> type B <input type="checkbox"/> permanent connection <input checked="" type="checkbox"/> detachable power supply cord <input type="checkbox"/> non-detachable power supply cord <input type="checkbox"/> not directly connected to the mains
Operating condition	<input checked="" type="checkbox"/> continuous <input type="checkbox"/> rated operating / resting time:
Access location	<input checked="" type="checkbox"/> operator accessible <input type="checkbox"/> restricted access location
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other:
Mains supply tolerance (%) or absolute mains supply values	±10% (requested by client)
Tested for IT power systems	<input type="checkbox"/> Yes (only for Norway) <input checked="" type="checkbox"/> No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Not classified
Considered current rating of protective device as part of the building installation (A)	16A
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
IP protection class	IP20
Altitude during operation (m)	≤5000
Altitude of test laboratory (m)	<2000
Mass of equipment (kg)	Approx. 6.22kg with base type A; (base type A weight 2.23kg; base type B weight: 0.29kg)
Possible test case verdicts:	
- test case does not apply to the test object	
- test object does meet the requirement.....	
- test object does not meet the requirement.....	
Testing:	
Date of receipt of test item	
Date(s) of performance of tests.....	
General remarks:	
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 testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	

Manufacturer's Declaration per sub-clause 6.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided: Yes Not applicable

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies)..... :

- 1 TPV Technology (Beijing) Co., Ltd.
No.10, Jiu Xian Qiao Rd., Chao Yang District,
Beijing 100016 P.R. China
- 2 Tatung Mexico S.A. de C.V.
Ave. Rosa Ma. Fuentes #7050 Complejo
Industrial Fuentes C.P. 32320, Cd. Juarez.
Chih, MEXICO
- 3 TPV Display Technology (Wuhan) Co., Ltd.
Unique No. 11, Zhuankou Development District
of Economic Technological Development Zone,
Wuhan City 430056, P.R. China
- 4 TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Rd., Shang-Zheng Hong-Lu
Fuqing City Fujian 350301 P.R. China
- 5 Envision Industry of Electronic Products Ltd.
895, Joao Marcos Pozzetti Street, Industrial
District II, 69.075-215 Manaus, Am, Brazil
- 6 Tatung Czech s.r.o.
U Nove Hospody 4 30100 Plzen Czech
Republic
- 7 Envision Industry of Electronic Products Ltd.
Rodovia Anhanguera S/N-KM 49, 13.205-700
Tijuco Preto-Jundiaí-SP-Brazil
- 8 TPV Displays Polska Sp. z o.o.
ul. Zlotego Smoka 9 66-400 Gorzów Wlkp.
Poland
- 9 L&T Display Technology (Fujian) Ltd.
Optoelectronic Park, Rongqiao Economic and
Technological, Development Zone, Fuqing,
Fujian 350301, P.R. China
- 10 TPV Display Technology (Beihai) Co., Ltd.
China Electronic Beihai Industry Park,
Northeast of the Crossing Between Taiwan
Road and Jilin Road, Beihai City, Guangxi,
P.R. China
- 11 Envision Industry of Electronic Products Ltd.
Av Torquato Tapajós 7503, Galpão : II Bloco:
B – Condomínio de Galpões – Tarumã -
Manaus, AM, Brazil
- 12 TPV Technology (Qingdao) Co., Ltd.
No.99 Huoju Road, High-tech Industrial
Development Zone, Qingdao City, Shandong
Province, P.R. China

General product information:

Description of change(s):

1. Correct typing error in model name from "230LM0024" to "230LM00024".

For the above described change(s) the following was considered to be necessary:

Change	Testing	Comments
1	N/A	N/A

Definition of variable(s):

Variable:	Range of variable:	Content:
*	0-9, A-Z, a-z, -, \, /, + or blank	For marketing purpose.

Other comments:

Declaration of the manufacturer: the sample(s) submitted for evaluation is (are) representative of the products from each factory.

History of amendments and modifications:

Ref. No. 17028017 001, dated 11.Oct.2012 (original report)

Ref. No. 17028017 002, dated 22.Oct.2012 (amendment)

Abbreviations used in the report:

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

Indicate used abbreviations (if any)