



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: E252145-A6016-CB-1

Date of issue: 2024-06-05 ; Amendment 2 : 2025-08-13

Total number of pages: 21

Name of Testing Laboratory
preparing the Report: UL-CCIC Company Limited

Applicant's name: WEIHAI DAEWOO ELECTRONICS CO LTD
Address: ECONOMIC & TECHNICAL DEVELOPMENT ZONE
26 HONGKONG RD
WEIHAI
Shandong Sheng 264205 CHINA

Test specification:

Standard: IEC 62368-1: 2018

Test procedure: CB Scheme

Non-standard test method: N/A

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

Test Report Form No: IEC62368_1E

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

Master TRF: Dated 2022-04-14

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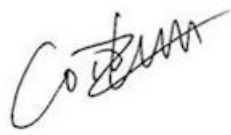
This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.

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The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test Item description :	Security LED Monitor	
Trade Mark(s)	None	
Manufacturer	WEIHAI DAEWOO ELECTRONICS CO LTD ECONOMIC & TECHNICAL DEVELOPMENT ZONE 26 HONGKONG RD WEIHAI Shandong Sheng 264205 CHINA	
Model/Type reference	SMT-43*****(*=a-z, A-Z, 0-9, -, /, \ or blank), SMT-4345	
Ratings	100-240Vac, 50/60Hz, 1.0A	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒ CB Testing Laboratory:		
Testing location/ address	UL-CCIC Company Limited No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China	
Tested by (name, function, signature)	Yuheng Xu / Project Handler	
Approved by (name, function, signature) ..	Coco Zhu / 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) :		

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

National Differences (0 pages)

Enclosures (0 pages)

Summary of testing:**Tests performed (name of test and test clause):**
None**Testing Location: None****Summary of compliance with National Differences (List of countries addressed):**

Australia - AU / New Zealand - NZ, EU Group Differences, United States of America - US / Canada - CA

☒ **The product fulfils the requirements of AS/NZS 62368.1:2022;**

EN IEC 62368-1:2020+A11:2020;

CSA/UL 62368-1:2019

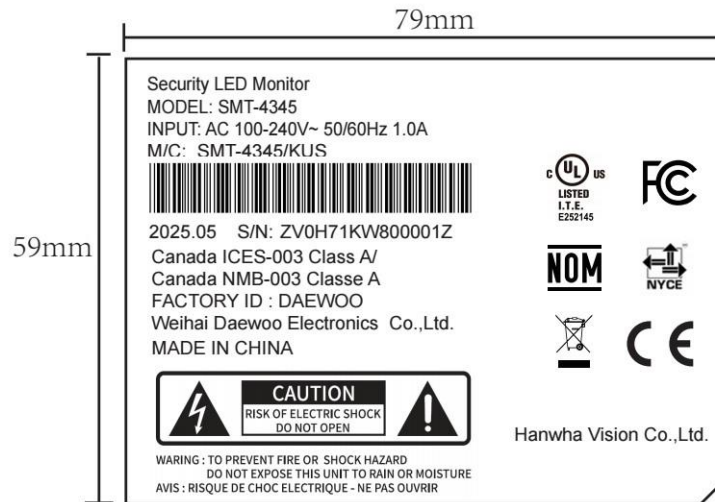
Use of uncertainty of measurement for decisions on conformity (decision rule) :☒ No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method").☐ Other:... (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)**Information on uncertainty of measurement:**

The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECCE. IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECCE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.

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



Note: The above markings are the minimum requirements required by the safety lab. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.

Test item particulars:	
Product group	end product
Classification of use by	Ordinary person Children likely to be present
Supply Connection	AC Mains
Supply tolerance	+10%/-10%
Supply connection – type	pluggable equipment type A - appliance coupler
Considered current rating of protective device ...	20 for USA and Canada, 16 for most countries A; Location: building
Equipment mobility	movable wall/ceiling-mounted
Over voltage category (OVC)	OVC II
Class of equipment	Class I
Special installation location	N/A
Pollution degree (PD)	PD 2
Manufacturer's specified Tma (°C)	40
IP protection class	IPX0
Power systems	TN
Altitude during operation (m)	2000 m or less
Altitude of test laboratory (m)	2000 m or less
Mass of equipment (kg)	Display:8.31kg Bracket: 2.49kg
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing:	
Date of receipt of test item	N/A
Date (s) of performance of tests	N/A
General remarks:	
"(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 ☐ comma / ☒ point is used as the decimal separator.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60068-2-1:	

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) : WEIHAI DAEWOO ELECTRONICS CO LTD ECONOMIC & TECHNICAL DEVELOPMENT ZONE 26 HONGKONG RD WEIHAI Shandong Sheng 264205 CHINA	
General product information and other remarks: The original report was modified on 2025-08-13 to include the following changes/additions: --This report should be read in conjunction with original CB test report as below: 1. Test Report Ref No. E252145-A6016-CB-1, dated 2024-06-05, Test Certification Ref No.DK-153969-UL, dated 2024-06-06; 2. Test Report Ref No. E252145-A6016-CB-1-Amendment-1, dated 2025-07-16, Test Certification Ref No.DK-153969-M1-UL, dated 2025-07-16. --This was technical amendment report due to following change: 1. Add new model name SMT-4345. 2. Revise model name from SMT-4344 to SMT-4345 in temperature table due to typo. 3. Revise description of Plastic enclosure-frame part and back cover (item 11, 11a) in critical components list. --No tests deemed necessary due to engineering judgment base on the change will not negatively impact the performance of the product.	
Product Description The equipment under tests is a 43 inch LED Monitor with internal non-certified power supply for use in general office environment. The built-in power supply models WDL3353C09 is non-approved component, which was manufactured by Qingdao Ticon Electronics Co.,Ltd. see appended table 4.1.2 for the detail information. And wall-Mounting evaluated. The unit has the following features: 1. The internal metal chassis which covering building-in switching power supply. 2. The external plastic enclosure is regarded as fire enclosure, electrical enclosure, mechanical enclosure. 3. The unit is configured with TFT-LCD panel (with LED backlight). 4. The unit is configured with DP port, HDMI port.	
Model Differences All models are similar to each other except for appearance structure, LCD panel appearance, plastic enclosure and model names.	
Additional Information N/A	
Technical Considerations	

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : 40°C
- The product is intended for use on the following power systems : TN
- Considered current rating of protective device as part of the building installation (A) : 20 for USA and Canada, 16 for most countries
- Mains supply tolerance (%) or absolute mains supply : +10%/-10% .
- The equipment disconnect device is considered to be : Appliance inlet
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS) : All output terminals
- The Risk Group of a lamp or lamp system (including LEDs) is : Exempt
- The following are available from the Applicant upon request : Installation (Safety) Instructions / Manual.

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Temperature measurements				Pass
Supply voltage (V)	See below	See below	See below	See below	—
Ambient temperature during test T_{amb} (°C)	See below	See below	See below	See below	—
Maximum measured temperature T of part/at:	T (°C)				Allowed T_{max} (°C)
For model: SMT-4344 Normal condition:	90Vac/50 Hz	90Vac/50 Hz	264Vac/6 0Hz	264Vac/60 Hz	
For Power Supply Unit	--	--	--	--	--
1.AC inlet	37.5	55.3	34.3	52.7	70
2.CY1 body	45.8	63.6	38.4	56.8	125
3.CY2 body	47.6	65.4	39.3	57.7	125
4.CY3 body	53.8	71.6	46.8	65.2	125
5.LF101 coil	60.0	77.8	42.8	61.2	130
6.LF102 coil	61.8	79.6	43.5	61.9	130
7.L103 coil	67.9	85.7	49.9	68.3	130
8.L104 coil	73.3	91.1	55.0	73.4	130
9.T1 coil	69.7	87.5	62.3	80.7	110
10.T1 core	71.0	88.8	63.2	81.6	110
11.PWB near Q101 and Q102	75.1	92.9	62.5	80.9	105
12.PWB near BD101 and C151	64.6	82.4	46.4	64.8	105
13.CX101 body	50.4	68.2	40.9	59.3	110
14.C101 body	60.2	78.0	49.3	67.7	105
15.OP1 body	69.6	87.4	63.0	81.4	100
16.OP2 body	70.3	88.1	62.7	81.1	100
17.PWB near D107	75.8	93.6	72.1	90.5	105
18.Mylar	60.6	78.4	53.1	71.5	80
19.PWB near TH101	57.3	75.1	43.3	61.7	105
For Equipment SMT-4344	--	--	--	--	--
20.PWB center on mainboard	48.3	66.1	47.8	66.2	105
21.PWB center on board 1	69.7	87.5	68.3	86.7	105
22.Inside plastic enclosure near PSU	38.3	56.1	34.5	52.9	60
23.Inside metal enclosure near PSU	40.2	58.0	35.7	54.1	--
Ambient	22.2	40.0	21.6	40.0	--
24.Plastic enclosure outside near T1	34.6	37.4	33.0	36.4	60

IEC 62368-1					
Clause	Requirement + Test		Result - Remark		Verdict
25.Metal enclosure outside near output port	34.4	37.2	32.4	35.8	51
26.Button	24.2	27.0	23.0	26.4	60
27.Panel	28.5	31.3	27.5	30.9	60
Ambient	22.2	25.0	21.6	25.0	--
--	--	--	--	--	--
Abnormal condition : Opening Cover	90Vac/50 Hz	90Vac/50 Hz	--	--	--
1.AC inlet	38.0	56.1	--	--	300
2.CY1 body	46.3	64.4	--	--	300
3.CY2 body	48.0	66.1	--	--	300
4.CY3 body	54.3	72.4	--	--	300
5.LF101 coil	60.1	78.2	--	--	300
6.LF102 coil	61.9	80.0	--	--	300
7.L103 coil	68.1	86.2	--	--	300
8.L104 coil	73.5	91.6	--	--	300
9.T1 coil	69.9	88.0	--	--	175
10.T1 core	71.3	89.4	--	--	175
11.PWB near Q101 and Q102	75.8	93.9	--	--	300
12.PWB near BD101 and C151	65.0	83.1	--	--	300
13.CX101 body	51.1	69.2	--	--	300
14.C101 body	60.5	78.6	--	--	300
15.OP1 body	70.0	88.1	--	--	300
16.OP2 body	70.9	89.0	--	--	300
17.PWB near D107	76.1	94.2	--	--	300
18.Mylar	60.8	78.9	--	--	300
19.PWB near TH101	57.4	75.5	--	--	300
For Equipment SMT-4344	--	--	--	--	--
20.PWB center on mainboard	48.7	66.8	--	--	300
21.PWB center on board 1	70.1	88.2	--	--	300
22.Inside plastic enclosure near PSU	38.7	56.8	--	--	--
23.Inside metal enclosure near PSU	40.6	58.7	--	--	--
Ambient	21.9	40.0	--	--	--
24.Plastic enclosure outside near T1	35.0	38.1	--	--	70
25.Metal enclosure outside near output port	34.8	37.9	--	--	61
26.Button	23.9	27.0	--	--	70
27.Panel	28.2	31.3	--	--	70
Ambient	21.9	25.0	--	--	--

IEC 62368-1					
Clause	Requirement + Test		Result - Remark		Verdict
Transformer Overload :	T1 pin 11 to pin 12 (After D107)	T1 pin 11 to pin 12 (After D107)	T1 pin 10 to pin 8 (After D106)	T1 pin 10 to pin 8 (After D106)	--
--	264Vac/60Hz	264Vac/60Hz	264Vac/60Hz	264Vac/60Hz	--
1.AC inlet	40.5	58.7	39.1	57.3	300
2.CY1 body	52.9	71.1	53.7	71.9	300
3.CY2 body	54.7	72.9	56.1	74.3	300
4.CY3 body	61.8	80.0	58.6	76.8	300
5.LF101 coil	77.8	96.0	92.5	110.7	300
6.LF102 coil	82.8	101.0	94.1	112.3	300
7.L103 coil	91.7	109.9	91.3	109.5	300
8.L104 coil	104.0	122.2	108.5	126.7	300
9.T1 coil	86.7	104.9	88.1	106.3	175
10.T1 core	89.5	107.7	89.8	108.0	175
11.PWB near Q101 and Q102	107.7	125.9	117.1	135.3	300
12.PWB near BD101 and C151	78.0	96.2	80.9	99.1	300
13.CX101 body	59.9	78.1	57.9	76.1	300
14.C101 body	79.4	97.6	78.5	96.7	300
15.OP1 body	92.2	110.4	102.3	120.5	300
16.OP2 body	95.0	113.2	108.4	126.6	300
17.PWB near D107	83.6	101.8	81.6	99.8	300
18.Mylar	77.0	95.2	82.5	100.7	300
19.PWB near TH101	68.1	86.3	70.2	88.4	300
For Equipment SMT-4344	--	--			--
20.PWB center on mainboard	48.7	66.9	47.4	65.6	300
21.PWB center on board 1	70.4	88.6	71.6	89.8	300
22.Inside plastic enclosure near PSU	45.3	63.5	45.8	64.0	--
23.Inside metal enclosure near PSU	45.0	63.2	47.6	65.8	--
Ambient	21.8	40.0	21.8	40.0	--
24.Plastic enclosure outside near T1	37.6	40.8	37.9	41.1	70
25.Metal enclosure outside near output port	37.0	40.2	37.0	40.2	61
26.Button	23.3	26.5	23.0	26.2	70
27.Panel	29.0	32.2	29.5	32.7	70
Ambient	21.8	25.0	21.8	25.0	--
Project: 4791801886(with alt structure)	--	--	--	--	--

IEC 62368-1					
Clause	Requirement + Test		Result - Remark		Verdict
For model: SMT-4345(HDMI mode) Normal condition:	90Vac/50 Hz	90Vac/50 Hz	264Vac/60 Hz	264Vac/60 Hz	--
For Power Supply Unit	--	--	--	--	--
1.AC inlet	50.1	68.3	46.7	64.6	70
2.CY1 body	59.4	77.6	53.8	71.7	125
3.CY2 body	60.6	78.8	53.8	71.7	125
4.CY3 body	72.6	90.8	63.1	81.0	125
5.LF101 coil	71.3	89.5	57.3	75.2	130
6.LF102 coil	71.5	89.7	56.8	74.7	130
7.L103 coil	75.3	93.5	64.8	82.7	130
8.L104 coil	80.4	98.6	68.5	86.4	130
9.T1 coil	81.5	99.7	76.5	94.4	110
10.T1 core	79.5	97.7	74.9	92.8	110
11.PWB near Q101 and Q102	91.3	109.5	77.9	95.8	130
12.PWB near BD101 and C151	78.6	96.8	62.3	80.2	130
13.CX101 body	65.4	83.6	56.1	74.0	110
14.C101 body	64.7	82.9	58.1	76.0	105
15.OP1 body	71.7	89.9	65.2	83.1	100
16.OP2 body	72.1	90.3	65.6	83.5	100
17.PWB near D107	85.4	103.6	82.8	100.7	130
18.Mylar	63.7	81.9	59.5	77.4	80
19.PWB near TH101	67.3	85.5	56.4	74.3	130
For Equipment SMT-4345	--	--	--	--	--
20.PWB center on mainboard	68.0	86.2	65.8	83.7	105
21.PWB center on board 1	70.3	88.5	70.0	87.9	105
22.Inside plastic enclosure near PSU	36.5	54.7	35.4	53.3	60
23.Inside metal enclosure near PSU	46.4	64.6	44.4	62.3	--
Ambient	21.8	40.0	22.1	40.0	--
24.Plastic enclosure outside near T1	34.3	37.5	33.0	35.9	60
25.Metal enclosure outside near output port	42.5	45.7	42.4	45.3	51
26.Button	24.9	28.1	25.9	28.8	60
27.Panel	27.4	30.6	27.9	30.8	60
Ambient	21.8	25.0	22.1	25.0	--
--	--	--	--	--	--
Abnormal condition : Opening Cover(HDMI mode)	90Vac/50 Hz	90Vac/50 Hz	--	--	--
1.AC inlet	50.6	68.2	--	--	300

IEC 62368-1					
Clause	Requirement + Test		Result - Remark		Verdict
2.CY1 body	60.2	77.8	--	--	300
3.CY2 body	61.1	78.7	--	--	300
4.CY3 body	73.2	90.8	--	--	300
5.LF101 coil	71.8	89.4	--	--	300
6.LF102 coil	72.0	89.6	--	--	300
7.L103 coil	75.8	93.4	--	--	300
8.L104 coil	81.0	98.6	--	--	300
9.T1 coil	82.1	99.7	--	--	175
10.T1 core	80.1	97.7	--	--	175
11.PWB near Q101 and Q102	91.8	109.4	--	--	300
12.PWB near BD101 and C151	78.8	96.4	--	--	300
13.CX101 body	66.0	83.6	--	--	300
14.C101 body	65.2	82.8	--	--	300
15.OP1 body	72.5	90.1	--	--	300
16.OP2 body	72.7	90.3	--	--	300
17.PWB near D107	86.3	103.9	--	--	300
18.Mylar	64.3	81.9	--	--	300
19.PWB near TH101	67.8	85.4	--	--	300
For Equipment SMT-4345	--	--	--	--	--
20.PWB center on mainboard	68.7	86.3	--	--	300
21.PWB center on board 1	70.9	88.5	--	--	300
22.Inside plastic enclosure near PSU	38.2	55.8	--	--	--
23.Inside metal enclosure near PSU	47.4	65.0	--	--	--
Ambient	22.4	40.0	--	--	--
24.Plastic enclosure outside near T1	35.1	37.7	--	--	70
25.Metal enclosure outside near output port	44.5	47.1	--	--	61
26.Button	26.0	28.6	--	--	70
27.Panel	29.0	31.6	--	--	70
Ambient	22.4	25.0	--	--	--
Transformer Overload(HDMI mode) :	T1 pin 11 to pin 12 (After D107)	T1 pin 11 to pin 12 (After D107)	T1 pin 10 to pin 8 (After D106)	T1 pin 10 to pin 8 (After D106)	--
--	264Vac/60Hz	264Vac/60Hz	264Vac/60Hz	264Vac/60Hz	--
1.AC inlet	60.7	77.3	60.3	76.2	300
2.CY1 body	77.1	93.7	79.7	95.6	300
3.CY2 body	78.8	95.4	79.4	95.3	300

IEC 62368-1							
Clause	Requirement + Test			Result - Remark		Verdict	
4.CY3 body	87.6	104.2	87.8	103.7	300		
5.LF101 coil	112.4	129.0	109.8	125.7	300		
6.LF102 coil	117.4	134.0	105.4	121.3	300		
7.L103 coil	106.0	122.6	102.0	117.9	300		
8.L104 coil	118.5	135.1	112.7	128.6	300		
9.T1 coil	96.2	112.8	107.5	123.4	175		
10.T1 core	103.5	120.1	102.6	118.5	175		
11.PWB near Q101 and Q102	141.0	157.6	134.2	150.1	300		
12.PWB near BD101 and C151	102.8	119.4	99.9	115.8	300		
13.CX101 body	85.7	102.3	86.5	102.4	300		
14.C101 body	87.4	104.0	81.9	97.8	300		
15.OP1 body	94.2	110.8	101.1	117.0	300		
16.OP2 body	95.1	111.7	95.9	111.8	300		
17.PWB near D107	97.4	114.0	94.5	110.4	300		
18.Mylar	73.9	90.5	93.1	109.0	300		
19.PWB near TH101	84.6	101.2	89.6	105.5	300		
For Equipment SMT-4345	--	--			--		
20.PWB center on mainboard	81.4	98.0	79.2	95.1	300		
21.PWB center on board 1	76.2	92.8	77.7	93.6	300		
22.Inside plastic enclosure near PSU	39.8	56.4	34.6	50.5	--		
23.Inside metal enclosure near PSU	53.5	70.1	55.2	71.1	--		
Ambient	23.4	40.0	23.4	40.0	--		
24.Plastic enclosure outside near T1	36.7	38.3	34.9	35.8	70		
25.Metal enclosure outside near output port	52.3	53.9	49.1	50.0	61		
26.Button	26.9	28.5	27.9	28.8	70		
27.Panel	30.8	32.4	32.3	33.2	70		
Ambient	23.4	25.0	24.1	25.0	--		
Temperature T of winding:	t_1 (°C)	R_1 (Ω)	t_2 (°C)	R_2 (Ω)	T (°C)	Allowed T_{max} (°C)	Insulation class
--	--	--	--	--	--	--	--
Supplementary information:							
Tamb = The thermal steady state temperature measurement of the ambient air.							
T = The thermal steady state temperature measurement.							
Tmax = The limit of the thermal steady state temperature measurement.							

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

4.1.2	TABLE: Critical components information					Pass
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
01. Label	Interchangeable	Interchangeable	Minimum 60 degree C, suitable for affixed material.	UL969	UL , --	
02. Internal Wirings (Secondary Circuits)	Interchangeable	Interchangeable	Marked or rated VW-1, min. 30 V, min. 60 degree C, routed away from primary un-insulated live parts and primary circuit wiring.	UL758	UL , --	
03. Insulating Tubing/Sleeving	Interchangeable	Interchangeable	Marked or rated VW-1, min. 105 degree C, min. 300 V.	UL224	UL , --	
04. Connectors and Receptacles (Secondary Circuits)	Interchangeable	Metal/Plastic	Copper alloy pins housed in bodies of plastic rated min. V-2.	UL94	UL , --	
04a. Connectors and Receptacles (Secondary Circuits) (Alternate)	Interchangeable	Interchangeable	--	UL1977	UL , --	
05. Internal Plastic Part Materials	Interchangeable	Interchangeable	Rated min. V-2.	UL94	UL , --	
06. Interconnecting Cable (Optional) (Detachable)	Interchangeable	Interchangeable	Min. 30V, 60 degree C, maximum 3.05m long, suitable for external use. Marked VW-1 or better.	UL758	UL , --	
06a. Interconnecting Cable, (Optional) (Detachable) (Alternate)	Interchangeable	Interchangeable	Suitable for external use. Type CMP, CMR, CMG, or CM. For type CMX, or CMUC, maximum 3.05m long.	UL444	UL , --	

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Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
07. Power Supply Cord (Optional)	Interchangeable	Interchangeable	Detachable, Type SVT, SPT-2 or NISPT-2, min. 250 Vac, min. 18 AWG, min. 1.5 m and max. 2.4 m long, one end with grounding type NEMA 5-15P, the other end with appliance coupler.	UL62, UL498 or UL817	UL , --
07a. Power Supply Cord (Optional)(alterna te)	Interchangeable	Interchangeable	Detachable, Type SVT or NISPT-2, min. 250 Vac, min. 18 AWG, min. 1.5 m and max. 2.4 m long, marked VW- 1, one end with grounding type NEMA 6-15P, the other end with appliance coupler.	UL817	UL , --
08. Printed Wiring Boards	Interchangeable	Interchangeable	Rated V-0, 105 degree C.	UL796	UL , --
10. LCD Panel with LED backlight	SHENZHEN TONGLIANGCAI PHOTO ELECTRIC TECHNOLOGY CO.,LTD.	DW430E	43 inch, TFT LCD Module.	--	-- , --
11. Plastic enclosure-frame part and back cover (for model SMT-4344)	CHI MEI CORPORATION	PA-757(+)	ABS, 80°C, HB min. 2.0mm	UL 94	UL(E56070) , --
11a. Plastic enclosure-frame part and back cover (for model SMT-4345)	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AG15AB	HIPS, 80°C, -35°C. min. 2.0mm	UL 94	UL(E162823) , --
11-01. Metal enclosure	--	--	Metal Min 0.8mm thickness.	--	-- , --

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Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
11-01a. Metal enclosure on alt structure (Alternate)	--	--	Metal Min 0.4mm thickness, 291.1*26.5*225.2mm.	--	-- , --
12. Mylar sheet (under power board)	Sichuan dongfang insulating material co.,ltd	DFR116ECOB	V-0, min. 0.40mm thickness.	UL 746	UL (E199019) , --
12a. Mylar sheet (below power board on alt metal enclosure)	Sichuan dongfang insulating material co.,ltd	DFR116ECOB	V-0, min. 0.40mm thickness.	UL 746	UL (E199019) , --
13. Power Board	Qingdao Ticon Electronics Co., Ltd	WDL3353C09	Input: 100-240Vac, 50/60Hz Output: 5Vdc/12Vdc.	--	-- , --
13-01. AC-Inlet (CN1)	Yueqing yanhui electronic co ltd	DB-14	250Vac, 15A, Configuration C14.	UL 60320-1; IEC 60320-1:2015	UL (E334847) , VDE 40032008
13-01a. AC-Inlet (CN1) (Alternate)	LECI Electronics Co., LTD	DB-14	250Vac, 15A. (UL); 10A,250Vac (VDE), 70°C.	UL 60320-1; IEC 60320-1:2015	UL (E302229) , VDE 40032137
13-02. Fuse (F1)	Conquer Electronics Co., Ltd.	MST	T3.15A, AC 250V, standard sheet 4.	UL248, IEC 60127	UL (E82636) , UL, VDE 40017118
13-02a. Fuse (F1) (Alternate)	Littelfuse Inc.	392	T3.15A, AC 250V, standard sheet 4.	UL248, IEC 60127	UL , UL, VDE 126983
13-02b. Fuse (F1) (Alternate)	Interchangeable	Interchangeable	T3.15A, AC 250V, standard sheet 4.	UL248, IEC 60127	UL , --
13-03. NTC (TH101)	Interchangeable	Interchangeable	NTC 5D20, rated 5Ω at 25 degree C.	--	-- , --
13-04. Bleeder resistors (R101,R102,R103,R104,R105,R106)	Interchangeable	Interchangeable	Max.2MΩ, Min.1/4W.	--	-- , --

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
13-05. X2- capacitor (CX101)	COWELL FASHION CO LTD	PCX2 337	0.22uF, Min.275Vac,X2 type, min.110°C	UL 60384-14, EN 60384-14, IEC 60384-14	UL (E165646) , ==
13-05a. X2- capacitor (CX101)- (Alternate)	Nantong City Haimen Yinyan Electronic Co.,Ltd	MKPX2	0.22uF, Min.275Vac,X2 type, min.100°C	UL 60384-14, EN 60384-14, IEC 60384-14	UL (E354597)
13-06. BD101	Interchangeable	Interchangeable	800V/10A	--	-- , --
13-07. Filter (LF101&LF102)	Qingdao taikong electric co.,ltd.	TKSQ1918- 10mH	Min. 130 degree C, see 04-04 for dimension details.	--	-- , --
13-07-01. Filter (LF101&LF102) - core	Interchangeable	Interchangeable	FEERITE	--	-- , --
13-07-02. Filter (LF101&LF102) - Wire	Interchangeable	Interchangeable	Min. 130 degree C	UL1446	UL , --
13-07-03. Filter (LF101&LF102) - bobbin	Interchangeable	Interchangeable	Phenolic, Min. 130 degree C	UL94, UL746C	UL , --
13-07-04. Filter (LF101&LF102) - varnish	ZHUHAI CHANGXIAN NEW MATERIALS TECHNOLOGY CO LTD	E962	Min. 130 degree C	UL1446	UL , --
13-08. Electrolytic Capacitor (C101)	Interchangeable	Interchangeable	Min.105 degree C, Min.450V, Max.82uF	--	-- , --
13-09. MOSFET (Q101)	Interchangeable	Interchangeable	Min 650V, 10A	--	-- , --
13-10. Printed Wiring Boards	Interchangeable	Interchangeable	V-0, 130 degree C.	UL796	UL , --
13-11. Y1- Capacitor (CY1, CY2, CY3)	Yinan Don's Electronic Component Co.,Ltd.	CT81	CY1 =470pF, CY2=470pF, CY3=2.2nF, AC 250V min., 125°C, Y1 Type	UL 60384-14, IEC 60384-14:2013	UL (E145038) , VDE 135256

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
13-11a. Y1-Capacitor (CY1, CY2, CY3)-(Alternate)	Xiamen Sino Faith Electronic Technology Co., Ltd.	HCY	CY1 =470pF, CY2=1nF, CY3=2.2nF, AC 250V min., 125°C, Y1 Type	UL 60384-14, IEC 60384-14:2013	UL (E328673), VDE 40034792
13-12. Photocoupler (OP1)	LITE-ON Technology Corporation	LTV-817	115°C, reinforced insulation, 5300V	UL 1577, IEC 60747-5-5:2007	UL (E113898), VDE 40015248
13-12a. Photocoupler (OP1)-(Alternate)	Changzhou Galaxy Century Micro-Electronics Co., Ltd.	BL817	100°C, reinforced insulation, 5000V.	UL 1577, IEC 60747-5-5:2007	UL (E340048), VDE 40034140
13-13. Transformer (T1)	DEZHOU SANHE ELECTRONIC CO. LTD	EE42-1	See Enclosure 04-05 for details.	--	-- , --
13-13-01. Insulation system of Transformer (T1)	DEZHOU SANHE ELECTRIC CO LTD	SH130B	Class B Insulation System	UL 1446	UL , --
13-13-02. Transformer (T1)- Core	Interchangeable	Interchangeable	Ferrite	--	-- , --
13-13-03. Transformer (T1)- Bobbin	SUMITOMO BAKELITE CO.,LTD	PM-9820	V-0, 150 degree C, Phenolic	UL94, UL746C	UL , --
13-13-04. Transformer (T1)- insulation tape	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT* (c)(g)	130 degree C	UL510	UL , --
13-13-05. Transformer (T1)- WIRE	Interchangeable	Interchangeable	130 degree C, MW75-C	UL1446	UL , --
13-13-05a. Transformer (T1)- WIRE(alternate)	Interchangeable	Interchangeable	155 degree C, MW79-C	UL1446	UL , --
13-13-06. Transformer	FURUKAWAELECTRONIC CO LTD	TEX-E	130 degree C	UL 2353	UL , --

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Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
(T1)- TRIPLE INSULATED WIRE					
13-13-06a. Transformer (T1)- Tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-TT-L	200 degree C	UL224	UL , --
13-13-07. Transformer (T1)- VARNISH	SUZHOU TAIHU ELECTRONIC ADVANCED MATERIAL CO LTD	T-4260(a)	130 degree C	UL1446	UL , --
13-14. Protective Bonding Wiring	Interchangeable	Interchangeable	Green/Yellow, minimum 18AWG, one end mechanically secured then soldered to earthing terminal of inlet, the other end connected with metal ring terminal and secured to enclosure by metal stand, star washer and screw (min 3.5mm).	UL758	UL , --
13-15. Heat- shrink tube	Interchangeable	Interchangeable	VW-1, 125 Degree C, 600V	UL1441, UL224	UL , --
13-16. Current Sensor resistor	Interchangeable	Interchangeable	Max.0.47Ω, Min.2W	--	-- , --
13-17. Filter (L103&L104)	Qingdao taikong electric co.,ltd.	EQ25-1	Min. 130 degree C, see 04-12 for dimension details.	--	-- , --
13-17. Filter (L103&L104) - core	Interchangeable	Interchangeable	FEERITE	--	-- , --
13-17. Filter (L103&L104) - Wire	Interchangeable	Interchangeable	Min. 130 degree C	UL1446	UL , --

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
13-17. Filter (L103&L104) - bobbin	Interchangeable	Interchangeable	Phenolic, Min. 130 degree C	UL94, UL746C	UL , --
13-17. Filter (L103&L104) - varnish	KYOCERA Corporation	TVB2180T*(a)	Min. 155 degree C	UL1446	UL , --
14. Internal tape and Glue	Interchangeable	Interchangeable	Less than 4g	--	-- , --
15. Adhesive for aluminium foil pasted around internal metal chassis (CN2,CN3, CN4 Port)	Kunshan Rich&Crown Electronic Materials CO.,LTD	FAP-3875	120 degree C, refer to enclosure 03-14 for details.	--	Test with equipment, comply with P.4.2 , --
16. Base (Optional)	Interchangeable	Interchangeable	HB or better	UL94, UL746C	UL , --

Supplementary information:

- 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.
- 2) The CBTL has verified the component information.
- 3) License available upon request.