



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: E132002-A6237-CB-1
Date of issue: 2025-11-05
Total number of pages: 77

Name of Testing Laboratory preparing the Report: UL International Limited

Applicant's name.....: **ASTEC INTERNATIONAL LTD**
Address: **16TH FL**
LU PLAZA
2 WING YIP ST.
KWUN TONG
KOWLOON HONG KONG

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

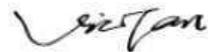
Copyright © 2022 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

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.

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	Power Module	
Trade Mark(s)	None	
Manufacturer	Astec International Ltd 16th FL LU PLAZA 2 WING YIP ST. KWUN TONG KOWLOON HONG KONG	
Model/Type reference	AIF13WAC-XXXX (where X is blank or any alphanumeric characters for marketing purpose)	
Ratings	Input: 100-240VAC,50/60Hz, 8A Output: 48VDC, 12.8A Max. Output power: 600W Max.	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	
Testing location/ address	UL International Limited 18/F Delta House, 3 On Yiu Street, Shatin, NT, Hong Kong	
Tested by (name, function, signature)..... :	Joyce Lim / Project Handler	
Approved by (name, function, signature) .. :	Tony Yeung / 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	ASTEC INTERNATIONAL LTD. / BUILDING 1, DISTRICT NO.68, COFCO INDUSTRIAL PARK, HONG LANG NORTH 2ND ROAD, XIN'AN STREET OFFICE, BAO'AN DISTRICT , SHENZHEN, 518101, CHINA	
Tested by (name, function, signature)..... :	Vic Tan / Tester	

Witnessed by (name, function, signature) . :		Patty Li / Handler	
Approved by (name, function, signature) .. :		Tony Yeung / Reviewer	
<input type="checkbox"/>	Testing procedure: CTF Stage 3:		
<input type="checkbox"/>	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 (45 pages)

Enclosures (65 pages)

Summary of testing:**Tests performed (name of test and test clause):****Testing Location:**

Unless otherwise noted, test are all conducted in
**CTF Stage 2: ASTEC INTERNATIONAL LTD. /
 BUILDING 1, DISTRICT NO.68, COFCO INDUSTRIAL
 PARK, HONG LANG NORTH 2ND ROAD, XIN'AN
 STREET OFFICE, BAO'AN DISTRICT , SHENZHEN,
 518101, CHINA**

4.4.3.2, T.3 – STEADY FORCE TEST, 30 N FOR
 SAFEGUARD THAT ACTS AS FIRE
 ENCLOSURE/BARRIER ONLY

5.2.2.1-5.2.2.6 – CLASSIFICATION OF
 ELECTRICAL ENERGY SOURCES

5.4.1.3 – TEST FOR HYGROSCOPIC
 MATERIALS

5.4.1.8 – DETERMINATION OF WORKING
 VOLTAGE

5.4.1.10.3 – BALL PRESSURE TEST

5.4.9.1 – ELECTRIC STRENGTH TEST – TYPE
 TESTING OF SOLID INSULATION

5.5.2.2 – CAPACITOR DISCHARGE AFTER
 DISCONNECTION OF A CONNECTOR

5.7.4 – TOUCH VOLTAGE AND TOUCH
 CURRENT MEASUREMENT – UNEARTHED
 ACCESSIBLE PARTS

5.7.5 – TOUCH CURRENT MEASUREMENT –
 EARTHED ACCESSIBLE CONDUCTIVE PARTS
 – SINGLE-PHASE EQUIPMENT ON TN OR TT
 SYSTEM

B.2.5 – INPUT TEST: SINGLE PHASE

B.2.6, 5.4.1.4, 6.3, 9.3, B.1.5 – NORMAL
 OPERATING CONDITIONS TEMPERATURE
 MEASUREMENT

B.3 – SIMULATED ABNORMAL OPERATING CONDITIONS

B.4 – SIMULATED SINGLE FAULT CONDITIONS

G.5.3.3 – TRANSFORMER OVERLOAD

Summary of compliance with National Differences (List of countries addressed):

Australia - AU / New Zealand - NZ, China - CN, EU Group Differences, Japan - JP, Saudi Arabia - SA, United States of America - US / Canada - CA

United Kingdom (per customer's request shown separately)

The product fulfils the requirements of AS/NZS 62368.1:2022, GB 4943.1-2022, EN IEC 62368-1:2020+A11:2020, J62368-1(2023), National standard SASO-IEC 62368-1:2020, CSA/UL 62368-1:2019, BS EN IEC 62368-1:2020+A11:2020

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 IECEE. IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE 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.