

Test Report

Report No. : SHER220500024571 Release date : 2022-05-18

Applicant's name : Wenzhou Tosun Electric Co., Ltd.

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Laboratory name : SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

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Test Site : 198 KEZHU Road, SCIENTECH
Park Guangzhou Economic &
Technology Development District,
Guangzhou, Guangdong, CHINA.

Product Description : Distribution Board

Supplier Model No : HA-18ways

S/N No : -

Sample status : Good

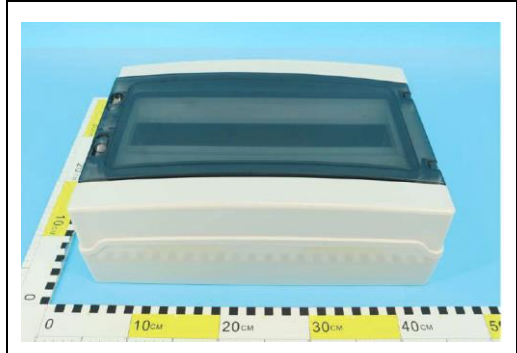
Sample receipt date : 2022-05-10 No. of samples : 1

Date of Test : 2022-05-10~2022-05-16

Test Standard : IEC 60068-2-5:2018 Environmental testing-Part 2-5: Tests - Test S:
Simulated solar radiation at ground level and guidance for solar radiation
testing and weathering

Conclusion : See following pages

Remark /Note : 1) The test result is only valid for the test sample.
2) In addition to copying the full text, can't partial copying of the report
without laboratory approval, make sure that the report will not be partially
extracted.



Tested By:

Frank Fang

Frank Fang

Approved by:

Ocean Li

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Summary of Results

No	Test Item	Reference Standard	Result	Sample number
1	Solar Simulation Test-Metal Halide Lamp Exposure	IEC 60068-2-5:2018 Environmental testing-Part 2-5: Tests - Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering	See result	1#

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not apply to the judgment.

Other additional model information:

HA-4ways, HA-8ways, HA-12-13ways, HA-18ways, HA-24-26ways, HA-54ways

Note: Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

1. Test Item: Solar Simulation Test-Metal Halide Lamp Exposure

Environmental requirement:

Ambient Temperature: 15~35 °C; Relative Humidity: 45~75 %RH; Atmos: 101 kPa.

Reference standard:

IEC 60068-2-5:2018 Environmental testing -Part 2-5: Tests - Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering

Test condition:

Exposure cycle:

Irradiance: (1090±10%) W/m²@ (280-3000) nm

Filter: Outdoor

Sample Number	Step	Initial condition	End condition	Time
1#	1	Light, Chamber temperature (25±2) °C	Light, Chamber temperature(55±2)°C	25min
	2	Light, Chamber temperature (55±2) °C	Light, Chamber temperature(55±2)°C	19h35min
	3	Dark, Chamber temperature (55±2) °C	Dark, Chamber temperature (25±2) °C	25min
	4	Dark, Chamber temperature (25±2)°C	Dark, Chamber temperature (25±2) °C	3h35min
Step 1~4 as 1 cycle, total 1 cycle (Exposure duration: 24h)				

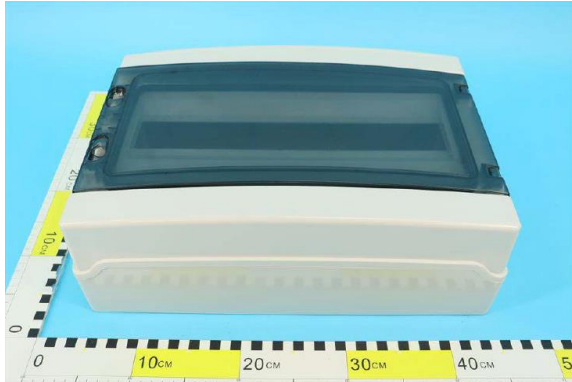
Test result:

Sample Number	Test Result
1#	After the test, there is no visual change on the sample.

Conclusion: Pass

The sample meets the test requirements.

Photographs of the Test Configuration

Before the test	After the test
	
During the test	/
	/

Testing Instrument and Equipment

Equipment	Model	Equipment No.	Calibration Date	Next Calibration Date
Climatic Test Chamber with Solar Simulation	AZSOTH1200L-SP	GZMR-AG-E261	2021-10-22	2022-10-21

-----End of Report-----