

# TEST REPORT

Client Name	Shenzhen Kstar New Energy Company Limited.
Name of product	Hybrid Inverter
Manufacturer	Shenzhen Kstar New Energy Company Limited.
Model	KAC50DP
Test Sort	Commission Test



## CCIC Southern Testing Co., Ltd.

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**CCIC Southern Testing Co., Ltd.****TEST REPORT**

Name of product	Hybrid Inverter		Trade mark	----	
Manufacturer	Shenzhen Kstar New Energy Company Limited.		Model	KAC50DP	
Client	Shenzhen Kstar New Energy Company Limited.		Sampling method	Sent by Client	
Sampler	----		Amount of samples	----	
Sampling place	----		Quantity of samples	1 Pcs	
Production date	----	Sampling date	-----	Application data	2023.2.1
Test date	2023.2.20~2023.2.23		Environment condition	15-35°C, 45-75% RH	
Sample description:					
One sample was in good condition before the test.. No.: 1#.					
Test item:					
Salt mist test.					
Reference documents:					
IEC 60068-2-52:2017 Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)					
Summary:					
According to the requirement, sample has been performed Salt mist cyclic. The appearance and function of sample are both normal after test, refer to followed report for detail.					
Test conclusion:					
Pass.					
(Stamp)					
Tested by:	<u>Zhang Jun</u>	Inspected by:	<u>Gerry</u>	Approved by:	<u>Yang Fan</u>
	2023 Y 2 M 27 D		2023 Y 2 M 27 D		2023 Y 2 M 27 D



## Test Result

No.	Test Item	Test Requirement	Test Result
			1#
1	Salt mist cyclic.	Test items 1	Pass



## Test Result

### Test items 1: Salt mist cyclic.

**Environmental conditions:**

Temperature: 20-30 °C, Humidity: 50-70 %RH.

**Reference documents:**

IEC 60068-2-52:2017.Environmental testing - Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)

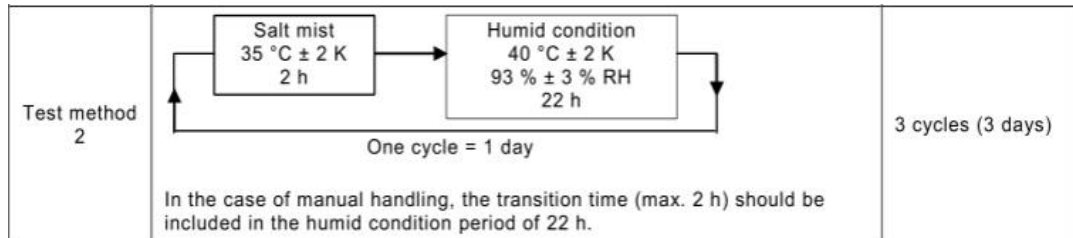
**Test arrangement:**

In strict accordance with the experimental requirements of the layout.

**Sample state:**

Sample in good condition before test.

**Test conditions:**



1 Test the performance indicators specified in the appearance, function and product development technical conditions of DUT at room temperature to ensure that the appearance, function and performance indicators of DUT meet the requirements of product technical conditions.

2. Will test the samples in the salt fog box, at 15°C—35°C environment 2 h salt spray fog.

3. The salt solution requirements: sodium chloride and distilled water or deionized water preparation, quality percentage for 5 plus or minus 1%, pH value should be between 6.5 ~ 7.2 (35 ± 2°C). During the test, the pH should be maintained within this range.

4. 2 h after the salt fog spray, transfer the test samples to damp and hot box, in 40 ± 2 °C, relative humidity (93 ± 2) % 22 h storage.

5. Repeat injection and storage for 2 times at the end of storage.

6. Regulation of the end of the test cycle, the test samples for cleaning, cleaning requirements: Wash in flowing tap water for 5min (the temperature should be lower than 35 °C), rinsed in distilled or deionized water, shaken by hand or subjected to air blast to remove droplets of water, then dried for 1 h at 55 ± 2°C and allowed to cool under controlled recovery conditions 2 h.

**Test acceptance requirements:**

After the test, the sample should be free from corrosion.

The sample works normally after the test

**Test Result:**

Pass.

## Test Result

### Test items 1: Salt mist cyclic.

Test photos :



Sample photos



1



2



### List of Measurement Equipments Used

No.	Description	Model No.	Serial No.	Cal. Due to
1	Compound salt spray test chamber	MHY-F2240	A210503653	2023/6/1

Notes: The above instrument is within the metering test cycle.

**\*\*\*\*\*END OF REPORT\*\*\*\*\***



# STATEMENT

1. **The test report is invalid without stamp of laboratory.**
2. **The test report is invalid without signature of person(s) testing and authorizing.**
3. **The test report is invalid if erased and corrected.**
4. **Test results of the report is valid to the test samples if sampling by client.**
5. **“☆” item to be outside the scope of authorized by CNAS.**
6. **The report without the“CMA”stamp shall not have a certifying effect on the society.**
7. **The test report shall not be reproduced except in full, without written approval of the laboratory.**
8. **If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.**

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