TEST REPORT

Client Name	Shenzhen Sungold Solar Co.,Ltd.
Name of product	FOLDING SOLAR PANEL
Manufacturer	Shenzhen Sungold Solar Co.,Ltd.
Model	HP-D-4*100W
Test Sort	Commission Test

CCIC Southern Testing Co., Ltd.

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CCIC Southern Testing Co., Ltd.

TEST REPORT

Name of product	FOLDING SOLAR PANEL			Trade mark	----
Manufacturer	Shenzhen Sungold Solar Co.,Ltd.			Model	HP-D-4*100W
Client	Shenzhen Sungold Solar Co.,Ltd.			Sampling method	Sent by Client
Sampler	----			Amount of samples	----
Sampling place	----			Quantity of samples	1Pcs
Production date	----	Sampling date	-----	Application data	2023.5.16
Test date	2023.5.17~2023.5.19			Environment condition	15-35℃, 45-75% RH

Sample description:

One sample, in good condition before test. Number: 1#.

Test item:

IP6X Dust-proof test, IPX8Water-proof test.

Reference documents:

IEC 60529:1989+A1:1999+A2:2013 Degrees of protection provided by enclosures (IP Code).

Summary:

According to the requirement, sample has been performed,IP6X Dust-proof test, IPX8 Water-proof test. The appearance and function of sample are both normal after test, refer to followed report for detail.

Test conclusion:

Pass.

(Stamp)

Tested by: Zhang Jun 2023 Y 5 M 30 D

Inspected by: Gerry 2023 Y 5 M 30 D

Approved by: Yang Fan 2023 Y 5 M 30 D

Test Result

No.	Test Item	Test Requirement	Test Result
			1#
1	IP6X Dust-proof test	Test items 1	Pass
2	IPX8 Water-proof test	Test items 2	Pass

Test Result

Test items 1：IP6X Dust-proof test

Environmental conditions：

Temperature：25 ℃，Humidity：66 %RH.

Reference documents：

IEC 60529:1989+A1:1999+A2:2013Degrees of protection provided by enclosures (IP Code).

Test arrangement：

In strict accordance with the experimental requirements of the layout.

Sample state：

Sample in good condition before test.

Test conditions：

Dust-proof Test Against ingress of solid foreign objects：

The dust box was used for testing, talcum powder was filtered by metal square hole sieve, and the diameter of metal wire was 50 μ m. The mesh size is 75 μ m。 The dosage of talcum powder is 2kg per cubic meter of test chamber volume, and the use times are not more than 20 times.

The sample is placed in the test chamber, and the pressure inside the sample shell is maintained below atmospheric pressure using a vacuum pump. The exhaust pipe is connected to the cable inlet.

The test shall be continued for a period of 8 h.

Dust-proof Test Against access to hazardous parts with ：

The access probe of 1.0mm ø shall not penetrate.

Test acceptance requirements：

After the dust-proof test, Normal operation.

Test conclusion：

Pass.

Test Result

Test items 1：IP6X Dust-proof test

Photo:



Post test inspection photos:



Test Result

Test items 2：IPX8 Water-proof test

Environmental conditions：

Temperature：25 ℃，Humidity：66 %RH.

Reference documents：

IEC 60529:1989+A1:1999+A2:2013Degrees of protection provided by enclosures (IP Code).

Test arrangement：

In strict accordance with the experimental requirements of the layout.

Sample state：

Sample in good condition before test.

Test conditions：

Immerse the sample in water;

a) the lowest point of enclosures with a height less than 850 mm is located 1 000 mm below the surface of the water

b) the duration of the test is 60 min

c) the water temperature does not differ from that of the equipment by more than 5 K However

Test acceptance requirements：

After the water-proof test, no water founded in the EUT.

Test conclusion：

Pass.

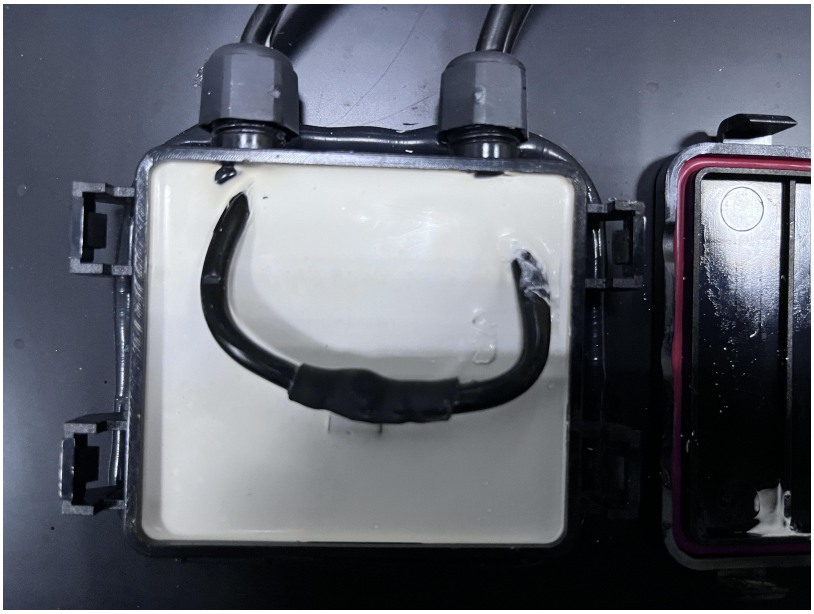
Test Result

Test items 2：IPX8 Water-proof test

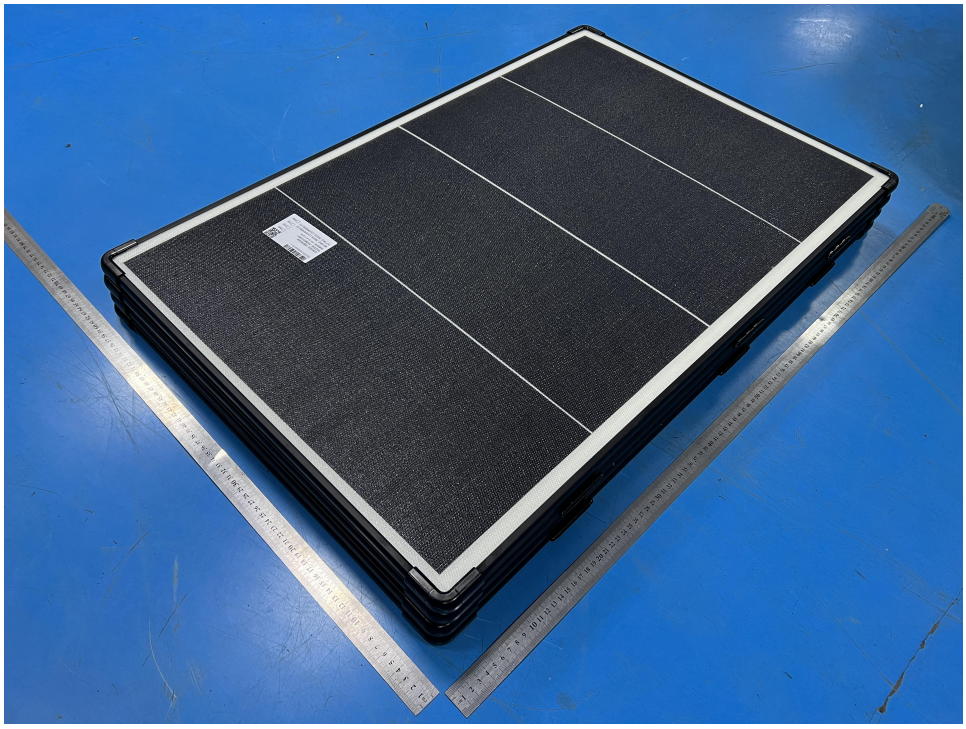
Photo:



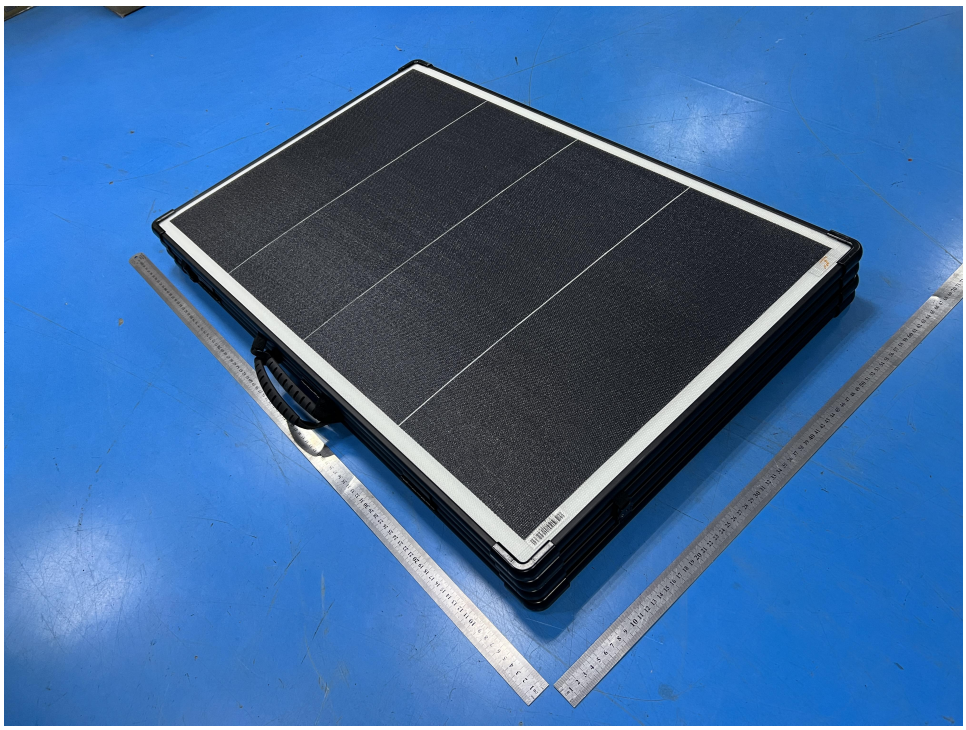
Post test inspection photos:



Sample photos

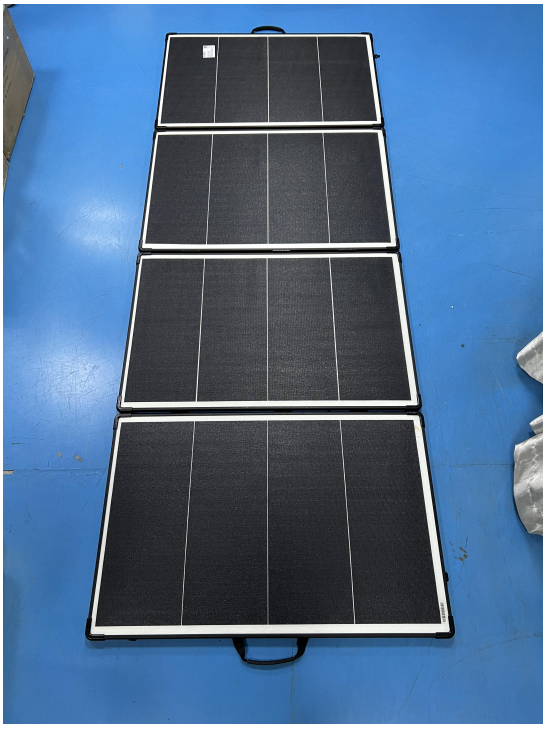


1



2

Sample photos



3



4

List of Measurement Equipments Used

No.	Description	Model No.	Serial No.	Cal. Due to
1	Walk-in dust proof test chamber	JPY1410	A220603927	2023/6/12
2	IP testing suite	IP1-6	A150802193	2023/11/17
3	Waterproof testing machine	KXT302	A1109744	2024/3/14

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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