



**Guangdong Sushi Guangbo Testing
Technology Co., Ltd.**



中国认可
检测
TESTING
CNAS L12110

Test Report

No.: GDGT-H/R-2019-459-EN

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Date of test: June.13,2019~June.15,2019



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Terms and Conditions	<ol style="list-style-type: none">1.The report must not be partly copied without the written approval.2.The results are valid only to the sample submitted in the test.3.The report must be invalid without the test seal of the Lab.4.The report is invalid without the signature of editor, reviewer and approver.5.The sample must be retrieved within 1 month after completion; Otherwise the lab has right to destroy it.6.The report is invalid when altered.
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Test Report

i. Test sample

Product name: SOLAR INVERTER;

Product model: SUN2000 (SUN2000-125KTL-M0; SUN2000-110KTL-M0; SUN2000-100KTL-M0;SUN2000-100KTL-M1; SUN2000-100KTL-INM0).

Product No.: 2019-459-01;

Product quantity: 1PC;

Product size(mm): 1035*700*365;

Product weight(kg): 85;

Receipt of sample: Sent by the applicant;

Test sample arrived:Jun.13, 2019;

Sample description: There is no visible damage of specimens judging through visual inspection before formal test at room temperature.

ii. Test results summary

Table 1 Test results summary

Test Items	Test Results
Waterproof test IPX6	After the test, there was no obvious change in the appearance of the sample, and no water inflow was found inside.
Dust proof test IP6X	After the test, there was no obvious change in the appearance of the sample, and no dust was found inside.
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Edited: Fuxiang Zhang Jul.25,2019

Reviewed: Qingdao Liang Jul.25,2019

Approved: Xianbiao Rong Jul.25,2019



1 Test Conditions

Temperature: 25℃～28℃.

Relative Humidity: 52%RH～75%RH.

2 Referenced regulations and test sequence

2.1 Referenced regulations

GDGT/CXJ008.02-2019-459 “Testing Application Form”.

IEC 60529:2013 “Degrees of protection provided by enclosures (IP Code)”.

2.2 Sequence of test

Waterproof test IPX6→Dust proof test IP6X.

3 Test equipment(s)

Table 2 Test equipment list

Equipment name	Equipment model	Serial No.	QTY	Validity period
Rain test apparatus	YJ-IPX1-8	GDGS2017035	1	2019.12.17
Sand and dust test box	YJ-IP56X	GDGS2017036	1	2019.12.18

4 Test item, conditions, processes and conclusions

4.1 Waterproof test IPX6

4.1.1 Test conditions

1. Water flow: 100L/min;
2. Nozzle distance from sample: 2.5m～3m;
3. Test of time: 3 minutes.

4.1.2 Test processes

1. Initial appearance check before test of the samples;
2. Waterproof test;
3. Final external and internal inspection after test of the samples.

4.1.3 Test conclusions

1. The method of this experiment is in accordance with the standard of the IEC 60529:2013 “Degrees of protection provided by enclosures (IP Code)”, the test sequence and level of the stress applied were consistent with GDGT/CXJ008.02-2019-459 “Testing Application Form”.



This test is real and effective.

2.The tested samples have completed all the tests according to the conditions. After the test, there is no obvious change in the appearance of the samples and no water inflow is found inside.

3.The function is checked by the client himself.

4.2 Dustproof test IP6X

4.2.1 Test conditions

1. Talcum powder (2kg/m^3) ;
2. The sample shell is pumped with negative pressure;
3. Test of time: 8 hours;
4. The experiment was carried out twice.

4.2.2 Test processes

1. Initial appearance check before test of the samples;
2. Dust proof test;
3. Final external and internal inspection after test of the samples.

4.2.3 Test conclusions

1. The method of this experiment is in accordance with the standard of the IEC 60529:2013 “Degrees of protection provided by enclosures (IP Code)”, the test sequence and level of the stress applied were consistent with GDGT/CXJ008.02-2019-459 “Testing Application Form”.

This test is real and effective.

2. The tested samples have completed all the tests according to the conditions. After the test, there is no obvious change in the appearance of the samples, and no dust was found inside.

3.The function is checked by the client himself.

4.3 Test figures



Fig 1 Appearance inspection before waterproof test



Fig 2 Appearance inspection after waterproof test



Fig 3 Appearance inspection before dustproof test



Fig 4 Appearance inspection after dustproof test



Fig 5 During waterproof test



Fig 6 During dustproof test