



TEST REPORT

REPORT NO.: BVCZ18FE0030MTGC

PRODUCT: SOLAR INVERTER

RECEIVED: 2018.02.06

TESTED: 2018.02.06~2018.02.07

ISSUED: 2018.02.07

APPLICANT: Huawei Technologies Co., Ltd

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PRODUCT: SOLAR INVERTER

PART NO.: SUN2000-75KTL-C1, SUN2000-70KTL-C1,

SUN2000-65KTL-C1, SUN2000-65KTL-M0, SUN2000-60KTL-M0, SUN2000-50KTL-M0, SUN2000-70KTL-INM0, SUN2000-63KTL-JPM0

SUN2000-50KTL-JPM0

MANUFACTURER: Huawei Technologies Co., Ltd

APPLICANT: Huawei Technologies Co., Ltd

TESTED: 2018.02.06~2018.02.07

STANDARDS: IEC 60529:1989+A1:1999+A2:2013

The above equipment has been tested by Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd., Science City Branch, The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's Reliability characteristics under the conditions specified in this report.

piect Engineer

PREPARED BY:

DATE: _ ²⁰

VERIFIED BY:

DATE:

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.



2 SUMMARY OF TEST RESULTS

TEST ITEMS	STANDARD	SAMPLE NO.	TEST RESULT
Protection of electrical equipment against foreign objects, water and access (IP65)	IEC 60529:1989+A1:1999 +A2:2013 clause 12.3.1, 13.6.2, 14.2.5	GZ180206/001-Q01N01GZ99	Pass

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	SOLAR INVERTER		
PART NO.	SUN2000-75KTL-C1, SUN2000-70KTL-C1, SUN2000-65KTL-C1, SUN2000-65KTL-M0, SUN2000-60KTL-M0, SUN2000-50KTL-M0, SUN2000-70KTL-INM0, SUN2000-63KTL-JPM0 SUN2000-50KTL-JPM0		

4 PROTECTION OF ELECTRICAL EQUIPMENT AGAINST FOREIGN OBJECTS, WATER AND ACCESS (IP65)

Reference to: IEC 60529:1989+A1:1999+A2:2013 clause 12.3.1, 13.6.2, 14.2.5.

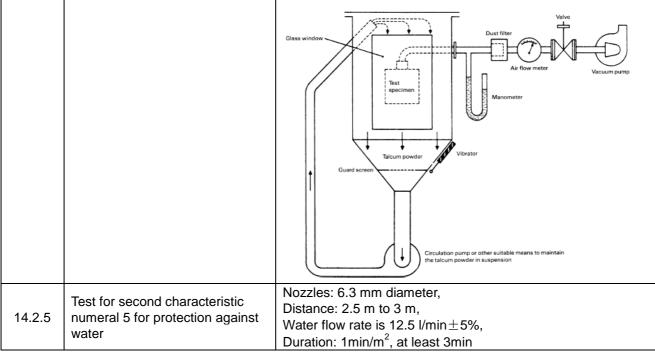
4.1 TEST SAMPLE NO. AND TEST DATE

Sample No.	GZ180206/001-Q01N01GZ99
Sample quantity	1pcs
Test date	2018.02.06~2018.02.07

4.2 TEST CONDITIONS

Clauses	Title	Test Conditions
12.3.1	Test for first characteristic numeral 6 for protection against access to hazardous parts	The protection is satisfactory if the rigid steel rod 1.0 ^{+0.05} mm diameter of the probe does not pass through any opening.
13.6.2	Test for first characteristic numeral 6 for protection against solid foreign objects	The test is made using a dust chamber incorporating the basic principles shown in below figure, whereby the power circulation pump to maintain the talcum powder in suspension in a closed test chamber, the amount of talcum powder to be used is 2 kg per cubic meter of the test chamber volume, the test period is 8 hours.





4.3 TEST REQUIREMENTS

Clauses	Title	Test Requirements
12.3.1	Test for first characteristic numeral 6 for protection against access to hazardous parts	Test wire is not access to hazardous parts.
13.6.2	Test for first characteristic numeral 6 for protection against solid foreign objects	There is no dust be observed.
14.2.5	Test for second characteristic numeral 5 for protection against water	There is no water be observed.

4.4 TEST RESULT

Clauses	Title	Test Results	
12.3.1	Test for first characteristic numeral 6 for protection against access to hazardous parts	Pass	
13.6.2	Test for first characteristic numeral 6 for protection against solid foreign objects	Pass	
14.2.5	Test for second characteristic numeral 5 for protection against water	Pass	



4.5 TEST EQUIPMENTS

EQUIPMENT NAME	EQUIPMENT MODE	EQUIPMENT NO.	CALIBRATION DUE
Dust Resistance Test Chamber	CH-7139-CF-T	BVGZ-RT-0036	2018.05.30
IP1X dust test needle	IP1X	BVGZ-SAF-0102	2018.10.09
Spray test device	PS-2	BVGZ-SAF-0054	2018.04.21

4.6 TEST PHOTO





Sample--Before test

Test setup—IP6X sample in the chamber





Sample-- After IP6X test

Sample-- After IP6X test

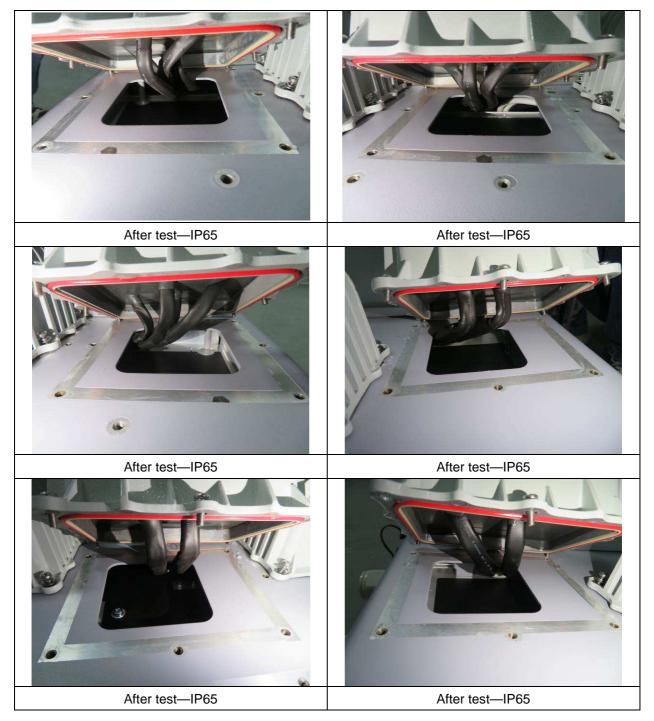




During test--IPX5

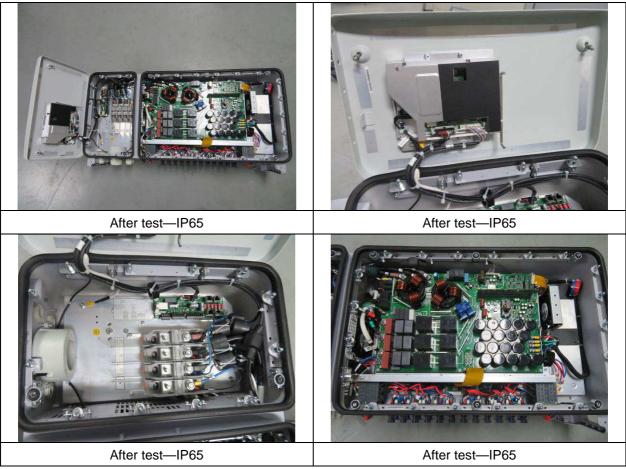
During test--IPX5





Version 2.0





5 PHOTOGRAPHS OF DUT



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