

# **Test Report**

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Report No:	SHER211000045071 Release date: 2021-10-26		
Applicant's name	Ningbo Deye Inverter Technology Co., Ltd.		
Address:	No. 26 South Yongjiang Road, Daqi, Beilun, Ningbo, China		
Laboratory name and address:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.		
	588 West Jindu Road, Xinqia	o, Songjiang, 20 <sup>-</sup>	1612 Shanghai, China
Test Site:	588 West Jindu Road, Xinqia 201612 Shanghai, China	o, Songjiang,	
Product Description::	Micro Inverter		
Supplier Model No::	SUN2000G3-EU-230, SUN30 SUN400G3-EU-230, SUN500 SUN600G3-EU-230, SUN800 SUN1000G3-EU-230, SUN13 SUN1600G3-EU-230, SUN13	DG3-EU-230, DG3-EU-230, 300G3-EU-230,	
S/N No:	-		
Sample status:	Good		
Sample receipt date::	2021-10-09	No. of san	nples: 1
Date of Test:	2021-10-09 to 2021-10-13		
Test Standard:	IEC 60529:1989+A1:1999+A2:2013 degrees of protection provided by enclosures (IP Code) & Customer's requirment		
Conclusion:	See following pages		
Remark /Note:	1) The test result is only valid for the test sample.		
	<ol> <li>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.</li> </ol>		
Tested By:	k Fang	Approved by:	OCeanti

Frank Fang

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Ocean Li



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# Summary of Results

No	Test Item	Reference Standard	Result	Sample number
1	IP6X	IEC 60529:1989+A1:1999+A2:2013 degrees of protection provided by enclosures (IP Code) & Customer's requirment	See result	1#
2	IPX7	IEC 60529:1989+A1:1999+A2:2013 degrees of protection provided by enclosures (IP Code)	See result	1#

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not apply to the judgment.



# 1. Test Item: IP6X

# **Environmental requirement:**

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

# **Reference standard:**

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

# Customer's requirment

# Test condition:

Test Dust	Talcum powder
Maximum depression	2 kPa
Dust Concentration	2 kg/m <sup>3</sup> chamber volume and be kept in suspension during the test
Extraction rate	Extraction rate $<$ 40 volumes
Test Duration	8 hours

#### Note:

According to customer's requirment no exhausting air.

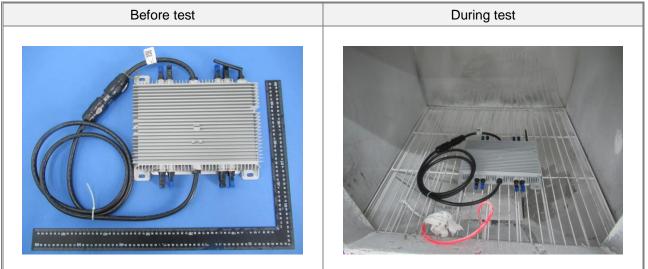
## Test acceptance requirements:

After the test, no obvious dust enters the sample.

## Test result:

Sample Number	Test Result	
1#	No dust inside	

# Photographs of the Test Configuration





# 2. Test Item: IPX7

### **Environmental requirement:**

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

#### **Reference standard:**

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

#### **Test condition:**

Simulated water depth	1 m
Test duration	30 min

#### Test acceptance requirements:

After the test, no water enters the sample.

#### **Test result:**

Sample Number	Test Result	
1#	No water enters the sample	

# Photographs of the Test Configuration

During test	After test	



After Test (Glue seal inside)	/
	/

# **Testing Instrument and Equipment**

Equipment	Model	Equipment No.	Calibration Date	Next Calibration Date
Dust box	JYSD-500	SHES806101	2021-01-04	2022-01-03
Water proof test	/	SHES806401	2021-03-27	2022-03-26
equipment(IPX1-8)	/	01120000401	2021 03 27	2022 00 20

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