

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



IP68

FOR
Flash Drive

ISSUED TO
Flashbay Limited

TEST REPORT

6 The Fountain Centre, Imperial Wharf London, SW6 2TW, UK



Tested by: *Jingjia Li*
Jingjia Li
(Engineer)

Date *Aug 14 2015*

Approved by: *Toni Zhao*
Toni Zhao
(Laboratory Manager)

Date *Aug. 14. 2015*

Report No.: BL-SZ1570121-201

EUT Type: Flash Drive

Model Name: NOX

Brand Name: Flashbay

Test Standard: IEC 60529:2013

Test conclusion: Pass

Test Date: Jan. 26, 2015~ Mar. 10, 2015

Date of Issue: Aug. 14, 2015

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Revision History

| <u>Version</u> | <u>Issue Date</u> | <u>Revisions</u> |
|----------------|---------------------|----------------------|
| <u>Rev. 01</u> | <u>Aug.14, 2015</u> | <u>Initial Issue</u> |

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

| | |
|--------------|--|
| Company Name | Shenzhen BALUN Technology Co.,Ltd. |
| Address | Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province,P. R. China |
| Phone Number | +86 755 6683 3402 |
| Fax Number | +86 755 6182 4271 |

1.2 Identification of the Responsible Testing Location

| | |
|----------------------------|---|
| Test Location 1 | Shenzhen BALUN Technology Co., Ltd. |
| Address | Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Accreditation Certificate1 | <p>The Laboratory has met the requirements of the CNAS Accreditation Criteria, has demonstrated compliance with ISO/IEC Standard 17025:2005. The accreditation certificate number is L6791.</p> <p>The Laboratory has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005. The accreditation certificate number is TL-588.</p> |
| Description | All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055 |

1.3 Announce

- (1) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (2) The test report is invalid if there is any evidence and/or falsification.
- (3) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (4) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

2 PRODUCT INFORMATION

2.1 Applicant

| | |
|-----------|---|
| Applicant | Flashbay Limited |
| Address | 6 The Fountain Centre, Imperial Wharf London, SW6 2TW, UK |

2.2 Manufacturer

| | |
|--------------|--|
| Manufacturer | Flashbay Electronics (Shenzhen) Co., Ltd. |
| Address | Bldg.B, 1-4 Bldg.c, Xifengcheng Industrial Park, No.2 Fuyuan Road, Heping Community Fuyong, Bao'an District, Shenzhen City, Guangdong Province 518103, P.R.China |

2.3 General Description for Equipment under Test (EUT)

| | |
|------------|-------------|
| EUT Type | Flash Drive |
| Model Name | NOX |
| Band Name | Flashbay |
| Comments | N/A |

2.4 Ancillary Equipment

N/A

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

| No. | Identity | Document Title |
|-----|----------------|--|
| 1 | IEC 60529:2013 | Degrees of protection provided by enclosures (IP code) |

3.2 Verdict

| NO. | Test item | Standard Section | Verdict | Remark |
|-----|-----------|-----------------------------|---------|--------|
| 1 | IP6X | IEC 60529:2013(13.6) | Pass | ----- |
| 2 | IPX8 | IEC 60529:2013(14.2.8+14.3) | Pass | ----- |

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

| | |
|----------------------------|------|
| Temperature (°C) | 25°C |
| Relative Humidity (%) | 57% |
| Atmospheric Pressure (kPa) | N/A |

4.2 Test Equipment List

| Description | Manufacturer | Model | Fixed assets number | Cal. Date | Cal. Due |
|-------------------------|-------------------|--------|---------------------|------------|------------|
| sand dust test chamber | Guangzhou GONGWEN | SC-300 | BZ_KKX_011 | 2014.10.18 | 2015.10.17 |
| Water testing equipment | Concord Motor | IPX7/8 | BZ_KKX_010 | 2015.03.18 | 2016.03.17 |

4.3 Test Configurations

N/A

5 Test items

5.1 IP6X Test

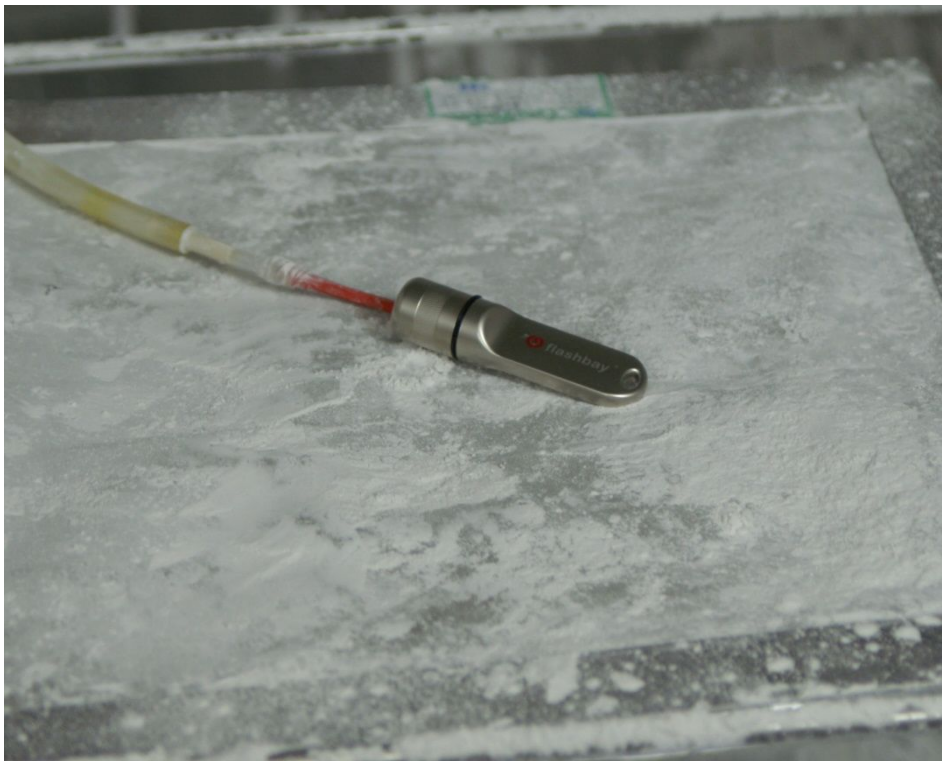
5.1.1 Test Conditions

1. The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump.
2. An extraction rate of about 12 l/h is obtained the duration of the test is 2 h.

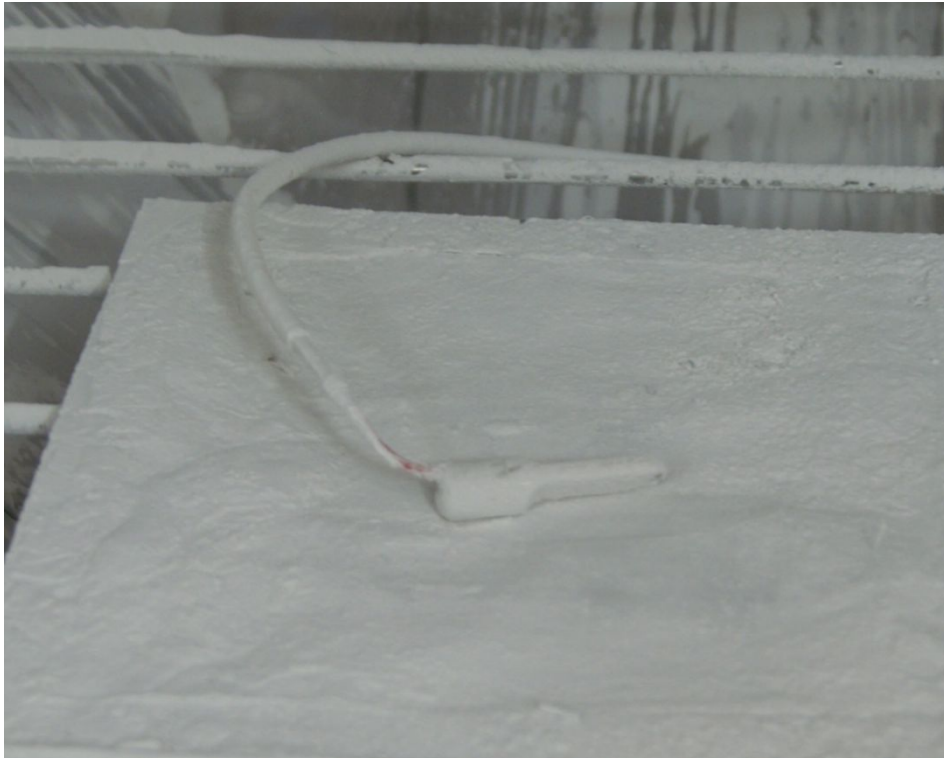
5.1.2 Acceptance condition

1. The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

5.1.3 Test photos



Test arrangement Photo



Testing photo



Validation after test



Validation after test

5.1.4 Test Results

| test item | test outcome | verdict |
|-----------|---|---------|
| IP6X | No deposit of dust is observable inside the enclosure at the end of the test. | Pass |

5.2 IPX8 Test

5.2.1 Test Conditions

The test is made by completely immersing the enclosure in water in its service position as specified by the manufacturer so that the following conditions are satisfied:

1. The pressure inside the chamber is equivalent to that of 100m underwater submersion.
2. The duration of the test is 60 min.
3. The water temperature does not differ from that of the equipment by more than 5 K. However, a modified requirement may be specified in the relevant product standard if the tests are to be made when the equipment is energized and/or its parts in motion.

5.2.2 Acceptance condition

The protection is satisfactory if no deposit of water is observable inside the enclosure at the end of the test. In general, if any water has entered ,it shall not:

1. Be sufficient to interfere with the correct operation of the equipment or impair safety.
2. Deposit on insulation parts where it could lead to tracking along the creepage distances.
3. Reach live parts or windings not designed to operate when wet.
4. Accumulate near the cable end or enter the cable if any.

5.2.3 Test photos



Test arrangement Photo



Test photo



Validation after test



Validation after test

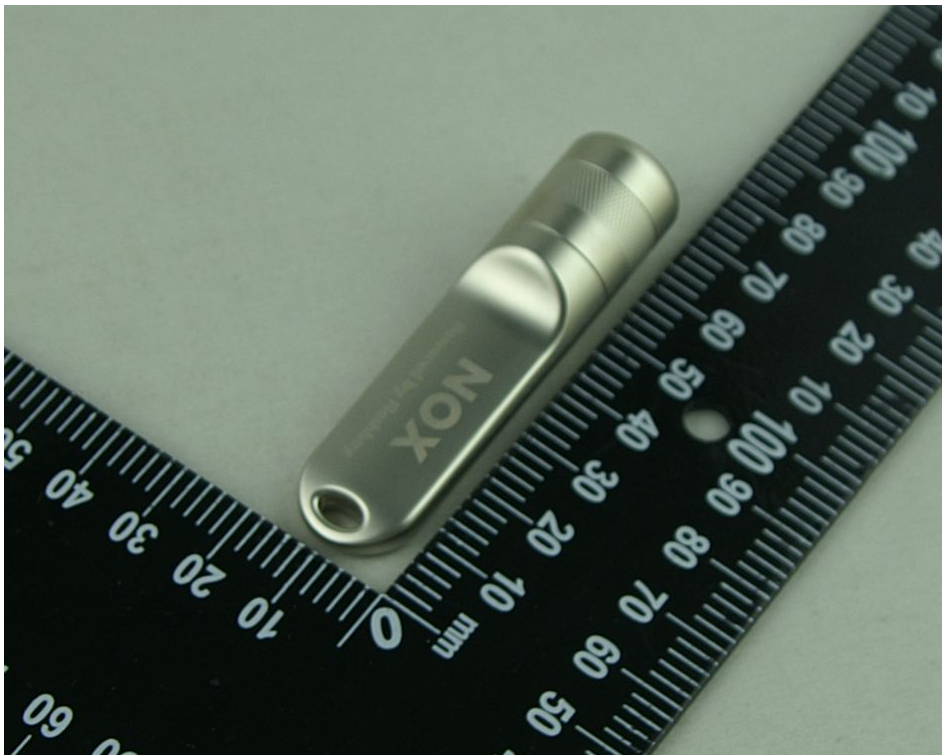


Validation after test

5.2.4 Test Results

| test item | test outcome | verdict |
|-----------|---|---------|
| IPX8 | There is no water found inside of the sample, the sample works normally as usual. | Pass |

6 Appearance of the EUT



--End of Report--