



中国认可
国际互认
检测
TESTING
CNAS L6666



Access to the World

TEST REPORT

Product Name : outdoor enclosure

Model Number : NT3020150IP66, NT3030150IP66,
NT4030150IP66, NT4040150IP66,
NT3030200IP66, NT4030200IP66,
NT3040200IP66, NT4040200IP66,
NT5040200IP66, NT6040200IP66,
NT5050250IP66, NT6060250IP66,
NT4040300IP66, NT5040300IP66,
NT6060300IP66, NT8060300IP66,
NT4060400IP66, NT5060400IP66,
NT6060400IP66, NT7060400IP66

Prepared for : NETCON ENTERPRISE PVT LTD
Address : No. 430A, Bajanaikovil Street, Kathirvedu, Puzhal Chennai
Tamil Nadu 600066 India GSTIN: 33AAHCN7550Q1ZV

Prepared by : EMTEK(NINGBO) CO., LTD.
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Report Number : ENB2408270007S00101R
Date(s) of Tests : September 19, 2024 – September 20, 2024
Date of issue : September 26, 2024



Report No. : ENB2408270007S00101R
Client : NETCON ENTERPRISE PVT LTD
Address : No. 430A, Bajanaikovil Street, Kathirvedu, Puzhal Chennai Tamil Nadu
600066 India GSTIN: 33AAHCN7550Q1ZV

Manufacturer : NETCON ENTERPRISE PVT LTD
Address : No. 430A, Bajanaikovil Street, Kathirvedu, Puzhal Chennai Tamil Nadu
600066 India GSTIN: 33AAHCN7550Q1ZV

Sample Name : outdoor enclosure
: NT3020150IP66, NT3030150IP66, NT4030150IP66, NT4040150IP66,
NT3030200IP66, NT4030200IP66, NT3040200IP66, NT4040200IP66,
Sample Type : NT5040200IP66, NT6040200IP66, NT5050250IP66, NT6060250IP66,
NT4040300IP66, NT5040300IP66, NT6060300IP66, NT8060300IP66,
NT4060400IP66, NT5060400IP66, NT6060400IP66, NT7060400IP66

Sample rating : /
Sample Received Date : August 27, 2024
Sample Tested Date : September 19, 2024 - September 20, 2024
Total page : 7 pages

Product description : All models are identical except size designation.

Test Item : IP66

Reference Standard : IEC 60529:1989 + A1:1999 + A2:2013

Test Results : Pass

Inspected By: Xiaolan Wei  **Date:** September 26, 2024

Reviewed/Approved By: Mike Wai **Date:** September 26, 2024

Test Item: IP66

1.1 Tested Sample:

Sample No.	Product Name	Model/Type	Quantity
ENB2408270007S001 -1-1	Outdoor enclosure	NT6040200IP66	1pc

1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Water proof grade testing machine	GT1310B	ENS-248	2025-07-01
Hygrothermograph	DSR-TH	ENS-182	2024-12-17
Test Probe	JPY-316	ENS-254	2025-07-04
Dustproof test box	GT1321C	ENS-249	2025-07-01

1.3 Environmental Conditions: Temperature: 23.6 °C, 61.8 %RH.

1.4 Reference Standard: IEC 60529:1989 + A1:1999 + A2:2013

1.5 Test Conditions:

IP6X: To probe the samples slot part with the test probe diameter of 1 mm, the force is 1 N. Put the sample into the test box with each cubic meter of 2 kg talc powder to start the test, with a maximum depression of 2 kPa (20 mbar), test for 8 hours.
IPX6: Internal diameter of the nozzle: 12.5 mm Delivery rate: 100 L/min Core of the substantial stream: Circle of approximately 120 mm diameter at 2.5m distance from nozzle Minimum test duration: 3 min Distance from nozzle to enclosure surface: between 2.5 m and 3 m

1.6 Acceptance Criteria:

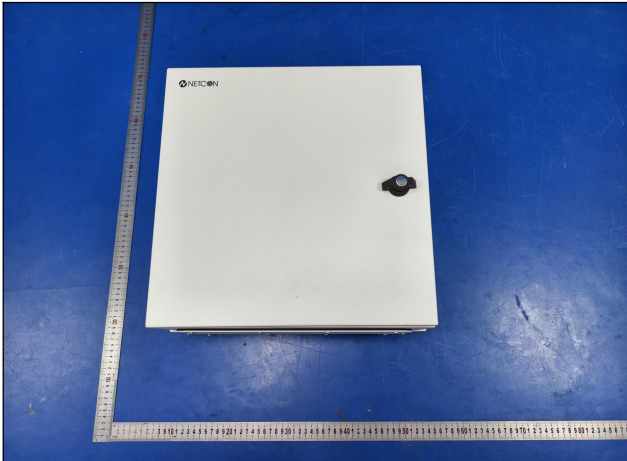
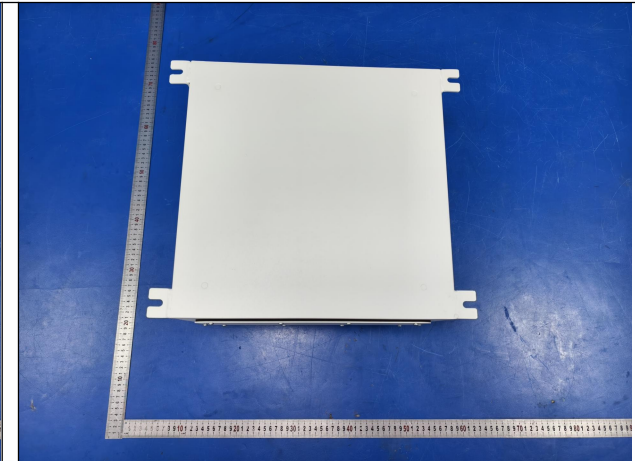
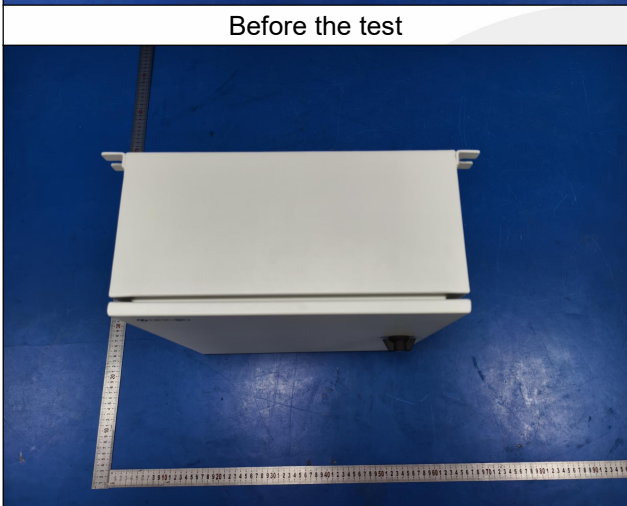
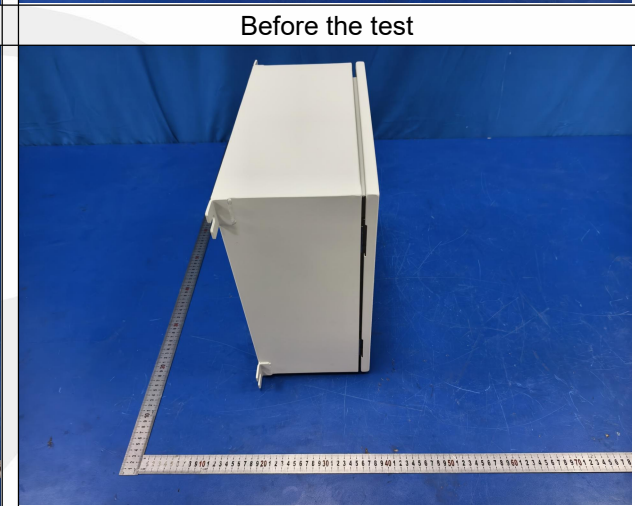
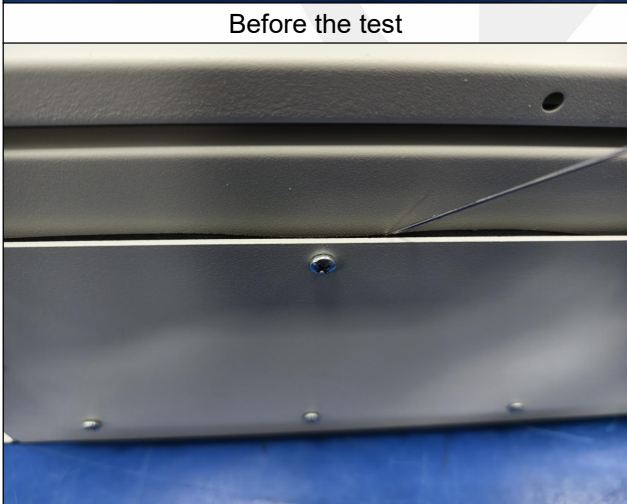
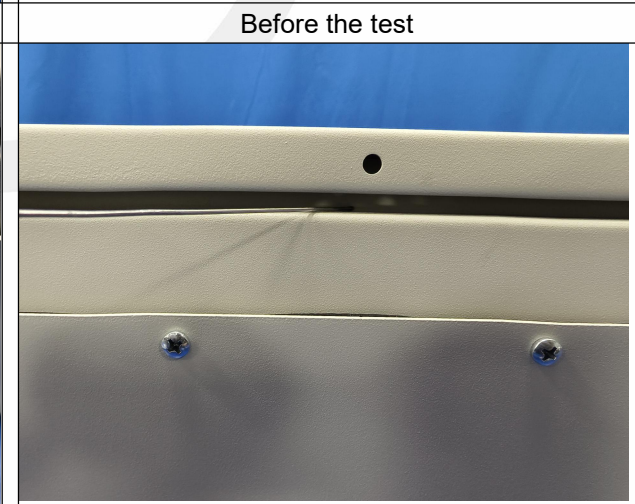
IP6X: No deposit of dust is observable inside the enclosure at the end of the test.
IPX6: After the test, a small amount of water is allowed inside the sample, but does not accumulate and does not enter the lived part.

1.7 Test Results:

Sample No.	Test items	Test Results	Verdict
ENB2408270007S00 1-1-1	Probe test	The test probe did not enter the inside of the sample.	Pass
ENB2408270007S00 1-1-1	IP6X	There was no dust entered into the internal of the sample.	Pass
ENB2408270007S00 1-1-1	IPX6	No water interior of the sample.	Pass



IP66

	
Before the test	Before the test
	
Before the test	Before the test
	
Probe test	Probe test



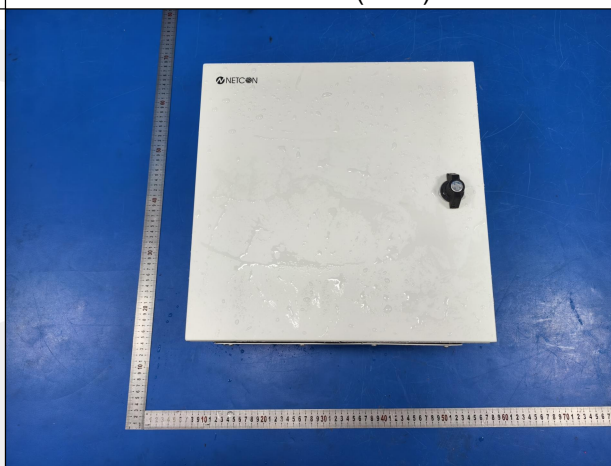
IP6X testing



After the test (IP6X)



IPX6 testing



After the test (IPX6)



Check after test



Check after test

*** End of Report ***

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