

**AP LANKA (PVT) LTD**

416/5, LEYLAND ROAD

HOMAGAMA-10200

LK

**CONTACT PERSON : HARSHA DULIP****THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :****SAMPLE DESCRIPTION** OUTDOOR FREE-STANDING ENCLOSURE - WELDED**PART NO** 769 010**COLOUR** RAL 7035**OEM****COUNTRY OF ORIGIN** SRI LANKA**DATE OF REGISTRATION** 29/01/2024**TEST(S) REQUESTED** IP65 TEST**TESTING PERIOD : 22/05/2024 - 23/05/2024**

<b>Test name</b>	<b>Test method</b>
IP65 test	IEC 60529:2013

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**1. Summary :**

Test name	Test method	DUT No.	Testing period	Result	Remark
IP65 test	IEC 60529:2013	01	22/05/2024 to 23/05/2024	Pass	Tested sample meet the requirement

**Note** : 1. Test performed as per the conditions given by the customer.  
2. Above test is subcontracted to **SGS affiliated Lab.**

**2. List of figures :**

<b>Figure 1</b>	DUT as received
<b>Figure 2</b>	IP6X test setup
<b>Figure 3</b>	IPX5 test setup
<b>Figure 4</b>	DUT after IP6X test
<b>Figure 5</b>	After IP6X test (No ingress of dust observed)

**3. General definitions :**

<b>DUT</b>	Device under test
<b>s</b>	Second
<b>min</b>	Minute
<b>A</b>	Amperes
<b>mV</b>	Millivolt
<b>mA</b>	Milliampere
<b>Hrs</b>	Hours



#### 4. DUT Information :

<b>DUT Name</b>	OUTDOOR FREE-STANDING ENCLOSURE - WELDED
<b>Part No</b>	769 010
<b>H/w number</b>	--
<b>s/w number</b>	--
<b>No. of DUT</b>	01
<b>DUT operating voltage (Nominal voltage)</b>	--
<b>DUT condition</b>	DUT received in good condition



Fig 1 – DUT as received

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**5. IP65 test:****Test method:** IEC 60529:2013**5.1 Test condition :****• Environmental conditions:**

Temperature : 15°C to 35°C  
Relative humidity : 25% to 75%.

**• Test conducted as per below condition:****• Dust test (IP6X) as per clause no. 13.4:**

Dust type : Talcum powder  
Dust quantity : 2 kg/m<sup>3</sup>  
Duration of test : 8 hours

**• Water test (IPX5) As per 14.2.5 and table 8 :**

Diameter of the nozzle : 6.3 mm  
Water flow rate : 12.5 l/min ±5 %  
Distance from nozzle to enclosure surface : 2.5 to 3 m  
Duration : 1 min/m<sup>2</sup> at least 3 min

**5.2 No. of DUT's :**

01

**5.3 Requirement :****Dust test (for IP6X)** : No ingress of dust**Water test (IPX5)** : Water projected in jets against the enclosure from any direction shall have no harmful effects.

**5.4 Observation table :**

<b>DUT no.</b>	<b>Test</b>	<b>Visual observation</b>
01	IP6X	No ingress of dust observed
	IPX5	No ingress of water observed No harmful effect observed

**5.5 Test photographs :****Fig 2 – IP6X test setup****Fig 3 – IPX5 test setup**

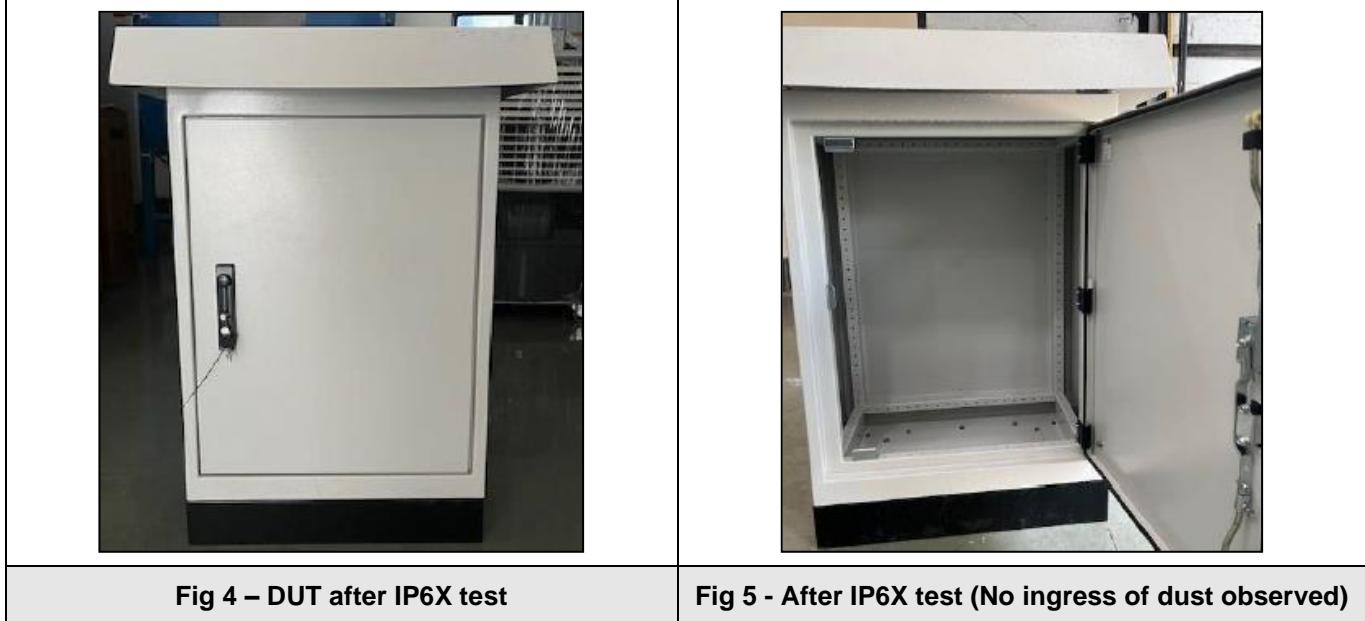


Fig 4 – DUT after IP6X test

Fig 5 - After IP6X test (No ingress of dust observed)

## 6. Equipment details :

Equipment name	Equipment make	Calibration due date
Dust proof chamber	PI	30/09/2024
P.A.E.S test apparatus Test probe D	PI	25/09/2024
IP test with standard nozzle	PI	04/07/2024

\*\*\*\*\* End of Report\*\*\*\*\*

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Authorized Signatory

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