



# Test Report



中国认可  
国际互认  
检测  
TESTING  
CNAS L6964

Report No. : UNIB23020608DR-01

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Applicant : GlacialTech INC.  
Address : 7F1., No.352, Sec. 2, Jung Shan Rd.,Jung He Dist., New Taipei City, Taiwan  
Name of sample : LED Driver  
Receiving Date : Oct. 18, 2022  
Test Date : Oct. 20, 2022  
Test Address : No. 47-3, Industrial Road, Zhushan, Dalong Street, Panyu District, Guangzhou, Guangdong, China  
Test Method(s) : IEC 60529:1989/AMD2:2013 /COR1:2019  
Testing Item(s) : IP66  
Decision Basis : IEC 60529:1989/AMD2:2013 /COR1:2019  
Conclusion : Pass

Signed for and on behalf of  
Shenzhen United Testing Technology Co.,Ltd

Mike Jiang  
Approved Signatory

Feb. 09, 2023

Issue Date

## 1、 Conclusion

The sample(s) was/were detected and according to the results, the conclusion are as follows:

Test Item(s)		Testing Standard(s)	Decision Basis	Conclusion
Article	Name			
3	IP6X	IEC 60529:1989/AMD2:2013 /COR1:2019 Table 6&13.4	IEC 60529:1989/AMD2:2013 /COR1:2019 Table 5&13.6.2	Pass
4	IPX6	IEC 60529:1989/AMD2:2013 /COR1:2019 14.2.6	IEC 60529:1989/AMD2:2013 /COR1:2019 14.3	Pass

## 2、 Sample information(s)

The following information of sample(s) was/were submitted and identified by applicant:

Product Model : GP-CVP100P-xxV-P02

Sample Quantity : 1 Pc

Trademark :



### 3、 Test Item: IP6X

#### 3.1 Sample number: 1#

#### 3.2 Test equipment:

Name of device	Model	Calibration Effective Deadline
Dust test chamber	OJN-9608	Dec. 1, 2022
Test tool D probe	ZLTI04	Dec. 1, 2022

#### 3.3 Test standard(s): IEC 60529:1989/AMD2:2013 /COR1:2019

#### 3.4 Test conditions:

1. A test probe with a diameter of 1mm was used to probe the gap part of the sample with a test force of 1N;  
 2. The sample was placed in a laboratory with a talc content of 2 kg per cubic metre of laboratory volume. During the test, the sample was kept in a vacuum state with a maximum pressure difference of 2kPa and an extraction rate less than 40 times the shell volume per hour. The test lasted eight hours.

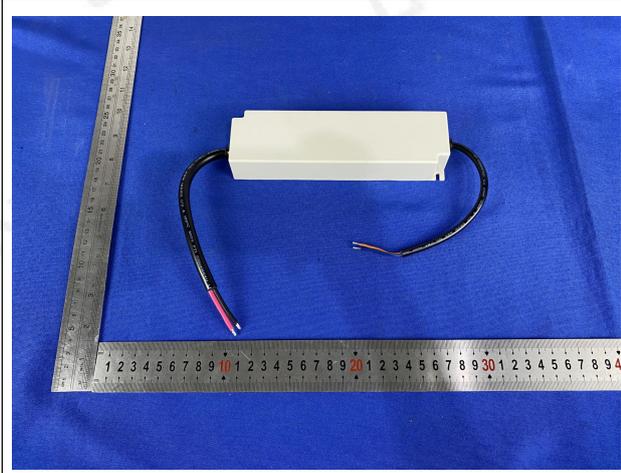
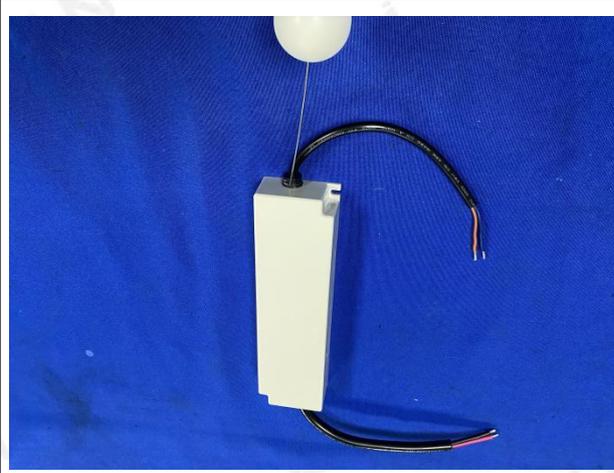
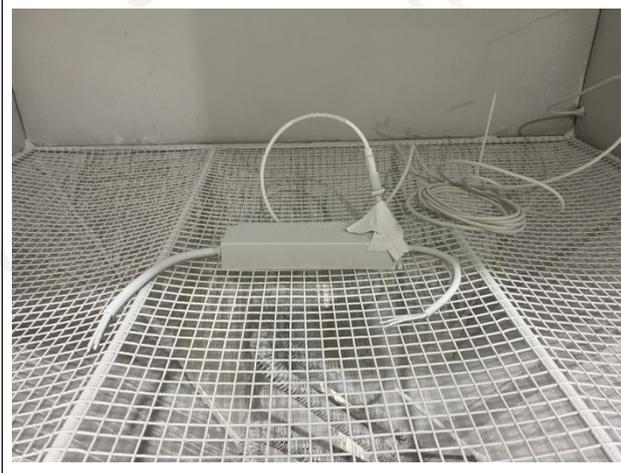
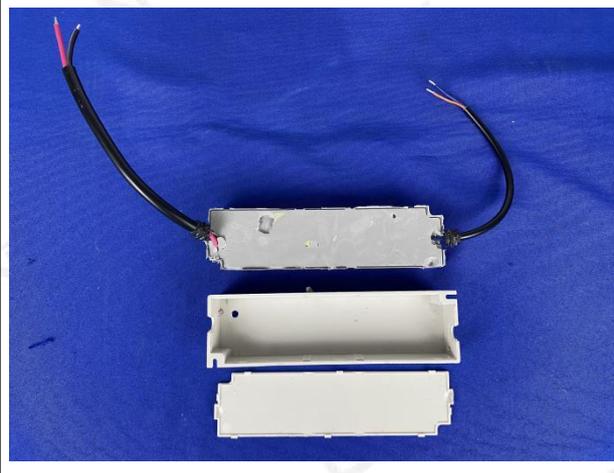
#### 3.5 Decision Basis:

The test probe cannot puncture any openings or gaps in the sample;  
 The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

#### 3.6 Test result(s):

Sample No.	Test result(s)	Conclusion
1#	The full diameter of the probe specified does not pass through any opening; After the test, there was no dust inside the shell.	Pass

### 3.7 Test Photos

	
<p>Before the test</p>	<p>In testing</p>
	
<p>In testing</p>	<p>After the test</p>

#### 4、 Test Item: IPX6

##### 4.1 Sample number: 1#

##### 4.2 Test equipment:

Name of device	Model	Calibration Effective Deadline
Rain test device	OJN-IP1-7	Dec. 1, 2022

##### 4.3 Test standard(s): IEC 60529:1989/AMD2:2013 /COR1:2019

##### 4.4 Test conditions:

The inner diameter of the nozzle is 12.5mm, and the distance from the nozzle to the shell surface is 2.5m~3m ;  
 Water flow :(100±5) L/min ;  
 Spray time per square meter of shell surface: about 1min/m<sup>2</sup> ;  
 Total duration of the test: at least 3min .

##### 4.5 Decision Basis:

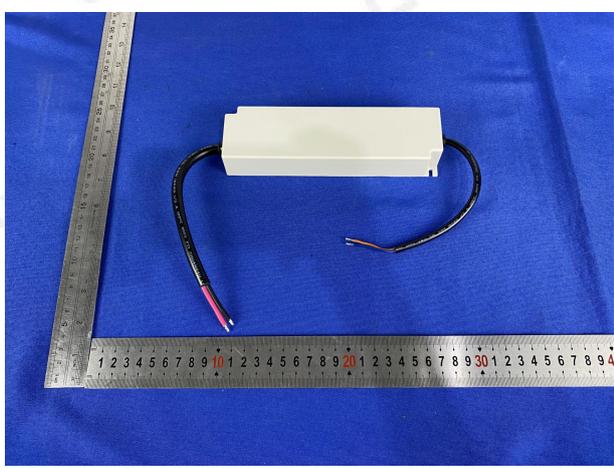
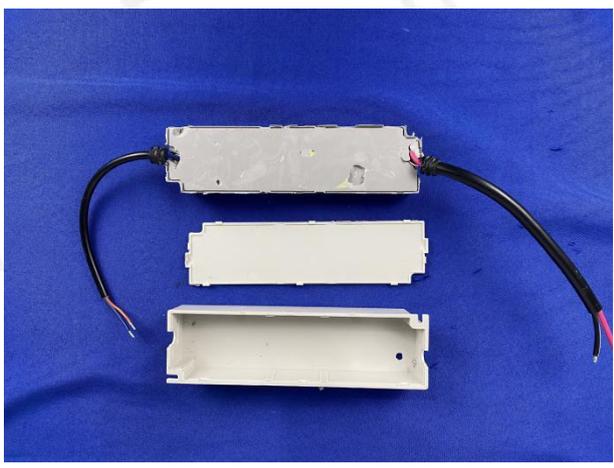
In general, if any water has entered, it shall not:

- be sufficient to interfere with the correct operation of the equipment or impair safety;
- deposit on insulation parts where it could lead to tracking along the creepage distances;
- reach live parts or windings not designed to operate when wet;
- accumulate near the cable end or enter the cable if any.

##### 4.6 Test result(s):

Sample No.	Test result(s)	Conclusion
1#	After testing, there was no trace of water inside the shell.	Pass

## 4.7 Test Photos

	
<p>Before the test</p>	<p>In testing</p>
	<p>/</p>
<p>After the test</p>	<p>/</p>

Sample pictures are only used to inform the applicant that the samples received and tested in our laboratory are shown in the picture, and do not prove the appearance and quality of the applicant 's products.

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

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