

# Test Report

Report No.: HCT18CR-0211S-2

Date: 2018/05/04

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**Applicant:** Magnizon Power Systems LTD

**Address:** 71-75, Shelton Street, London, Greater London, WC2H 9JQ, UNITED KINGDOM Registered in UNITED KINGDOM, Number 11983678

## Sample information

Sample Name: MUOD Series Outdoor UPS  
Sample Model: MUOD1K, MUOD2K, MUOD3K, MUOD6K, MUOD10K  
Amount of sample: 1pcs  
Sample Received Date: 2018/03/12  
Testing Period: 2018/04/23~2018/04/25

## Test Requested:

Test Sequence	Test Item
1	IP6X test
2	IPX5 test

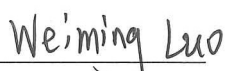
## Test Method:

According to EN 60529:1992+AMD.1:2000+ AMD.2:2013 and the clients' requirement

## Test Result:

Please refer to following pages

Tested by



Weiming Luo

Checked by



Toby Zhang

Signed for and on behalf of HCT



Joseph Li  
Manager

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## 1. Test item: IP6X test

### (1) Detection equipment and instruments

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Test prober	Φ1.0mm	HCT-SE078	Zhilitong	2018/07/11
Dust tester	WH-SC1000	HCT-SE166	WEWON	2018/10/20

### (2) Environmental Conditions:

Temperature: 22°C      Humidity: 65%RH

### (3) Tested Sample: Sample 001

### (4) Test Basis: EN 60529:1992+AMD.1:2000+ AMD.2:2013

### (5) The test performed in accordance to the criteria listed above, and under the conditions as below:

- 1) The Test prober of 1 mm diameter is pushed against any opening of the sample with force of 1 N
- 2) Set the sample in the dust chamber, the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump (Pump speed: 300 mL/min, less than 40 times of the shell volume per hour; the differential pressure between the containment and the atmosphere: 2 kPa)  
The talcum powder to be used is 2 kg/ m<sup>3</sup> of the test chamber volume;  
Test duration: 8 h

### (6) Test results

Sample No.	Sample name	Test Results (visual observation)
001	MUOD Series Outdoor UPS	Test prober can not penetrate into opening of the sample. No dust entered into the sample, the sample passed the IP6X test.

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(7) Test photos



2. Test item: IPX5 test

(1) Detection equipment and instruments

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Water test device	PL-IPX5/6	HCT-SE170	VINOPS	2018/10/20

(2) Environmental Conditions:

Temperature: 22°C      Humidity: 65%RH

(3) Tested Sample: Sample 001

(4) Test Basis: EN 60529:1992+AMD.1:2000+ AMD.2:2013

(5) The test performed in accordance to the criteria listed above, and under the conditions as below:

- 1) Water flow rate: 12.5L/min
- 2) The rotation speed of the turntable: 1rpm
- 3) Nozzle bore: 6.3mm
- 4) Distance the nozzle to sample: 2.5~3m
- 5) Test duration: 3 min

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(6) Test results

Sample No.	Sample name	Test Results (visual observation)
001	MUOD Series Outdoor UPS	No water entered into the sample, the sample passed the IPX5 test.

(7) Test photos



Before test

After test

\*\*\* End\*\*\*

This report will go into effect with HCT stamp. This report could not be revised. This report is only responsible for the test result of submitted samples. Without written authorization, any copy of this report for propaganda is invalid.