

TEST REPORT

Applicant name and address : **EVOLVE ENERGY GROUP CO., LIMITED**
RM 702,7/F FU FAI COMM CTR 27 HILLIER ST SHEUNG WAN, HK
Manufacture name and address : **EVOLVE ENERGY GROUP CO., LIMITED**
RM 702,7/F FU FAI COMM CTR 27 HILLIER ST SHEUNG WAN, HK

Report No : 190226174GZU-007 **Issue Date** : 03 Jun 2019

Sample Description

Name of Sample : Solar inverter
Model Number : EVVO 4000TL3P, EVVO 5000TL3P, EVVO 6000TL3P, EVVO 8000TL3P, EVVO 10000TL3P, EVVO 12000TL3P
Quantity of Sample(s) : 1
Date of Receival : 27 Feb., 2019
Date of test Conducted : 27 Feb 2019– 25 May, 2019


Test

Test Requested : IP65
Test Method : Refer to IEC 60529:2001-02(Ed.2.1) clause 13 and clause 14
Test Observation: : See appendix test condition for details
Test Conclusion: : **Pass**
Other information : --
Remark :

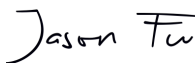
- This test report is only for evaluation of the specified standard clauses listed in Test Requested.
- When determine the test result, measurement uncertainty has been considered.

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Tested by:


Sunny Lin
Engineer

Approved by:


Jason Fu
Technical Team Leader

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This report is based on original report No. 170418010GZU-002, dated 24 April 2017 to apply for co-certificate.

Only applicant and model name are changed.

Electrical Rating:

Maximum d.c. input voltage: 1000 Vdc

Input voltage range: 160-960 Vdc

MPPT voltage range (full Load): 190-850 V (for EVVO 4000TL3P); 240-850 V(for EVVO 5000TL3P); 290-850 V(for EVVO 6000TL3P); 380-850 V(for EVVO 8000TL3P); 480-850 V(for EVVO 10000TL3P); 575-850 V(for EVVO 12000TL3P);

Max. input current: 2×11 A

Nominal output voltage: 3/N/PE230V/400Vac

Max. output current: 3×6.4 A (for EVVO 4000TL3P); 3×8.0 A (for EVVO 5000TL3P); 3×9.6 A (for EVVO 6000TL3P); 3×12.8A (for EVVO 8000TL3P); 3×15.9 A (for EVVO 10000TL3P); 3×19.1 A (for EVVO 12000TL3P);

Nominal frequency: 50 Hz

Max. output power: 4400VA (for EVVO 4000TL3P); 5500VA (for EVVO 5000TL3P); 6600VA (for EVVO 6000TL3P); 8800VA(for EVVO 8000TL3P); 11000VA (for EVVO 10000TL3P); 13200VA (for EVVO 12000TL3P)

Ingress protection: IP65

Operating temperature range: -25~+60°C

Other than special notes, the model EVVO 12000TL3P used as representative for testing

Appendix test condition :

Number	Test items	Test condition	Test result
<u>1</u>	IP6X	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, The suction connection shall be made to a hole specially provided for the test.	No deposit of dust is observable inside the enclosure.
<u>2</u>	IPX5	Internal diameter of the nozzle: 6.3 mm Delivery rate: 12.5 L/min Core of the substantial stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle Test duration: 3 min Distance from nozzle to enclosure surface: between 2.5 m and 3 m.	No water inside the enclosure

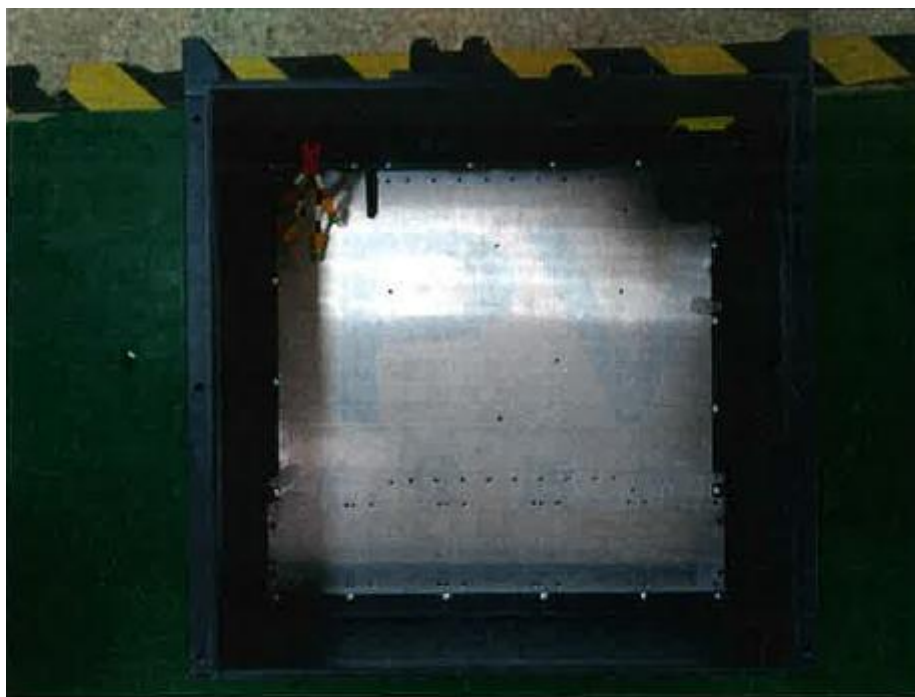
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Appendix Photos:

Report No.: 190226174GZU-007



Tested before IP65



Checked after IP65

*****End of report*****