

# TEST REPORT

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

**Report No** : 191024052GZU-001 **Issue Date** : 27 Nov., 2019

## Sample Description

*Name of Sample* : Solar Grid-tied Inverter  
*Model Number* : EVVO 1100TL-AV, EVVO 1600TL-AV, EVVO 2200TL-AV  
EVVO 2700TL-AV, EVVO 3000TL-AV, EVVO 3200TL-AV  
*Quantity of Sample(s)* : 1  
*Date of Receival* : 24 Oct 2019  
*Date of test Conducted* : 25 Oct 2019

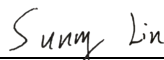
## Test

*Test Requested* : IP65  
*Test Method* : Refer to IEC60529:2013 Ed.2.2  
*Test Observation:* : --  
*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.

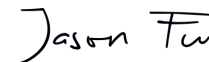
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Tested by:



Sunny Lin  
Engineer

Approved by:



Jason Fu  
Technical Team Leader

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**This report is based on report No. 190724109GZU-001, dated 26 Jul 2019.**

Rating:

Model	EVVO 1100TL-AV	EVVO 1600TL-AV	EVVO 2200TL-AV	EVVO 2700TL-AV	EVVO 3000TL-AV	EVVO 3200TL-AV
Max.PV voltage	500V			550V		
PV MPPT voltage range	50-500V			50-550V		
Max.input current	12A					
PV Isc	15A					
Max.apparent power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA
Nominal output voltage	230Vac					
Max.output current	5.3A	7.7A	10.6A	13.0A	14.5A	16.0A
Nominal output Frequency	50/60Hz					
Power factor range	0.8 Leading – 0.8 Lagging					
Inverter technology	Non-isolated					
Safety level	Class I					
Ingress Protection	IP 65					
Operation Ambient Temperature	-30 - +60°C					

**Intertek Testing Services Shenzhen Ltd. Guangzhou Branch**

Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China  
Tel: 86 20 8213 9688 Fax: 86 20 3205 7538 [www.china.intertek-etlsemko.com](http://www.china.intertek-etlsemko.com)

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

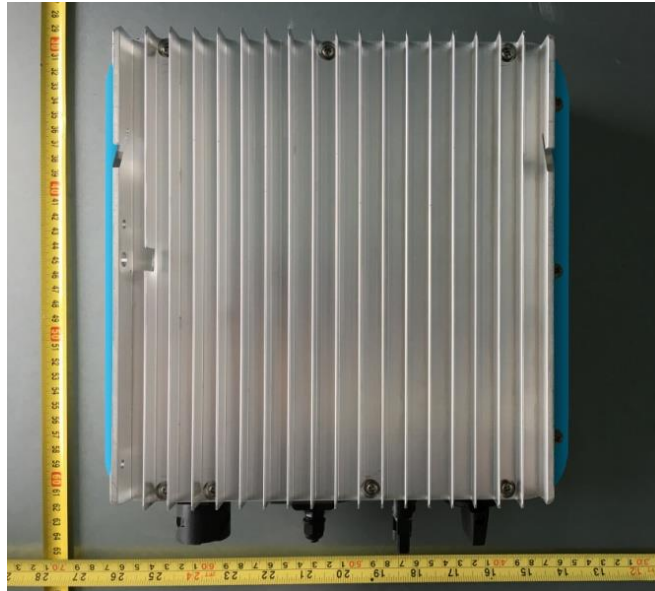
Appended photos:



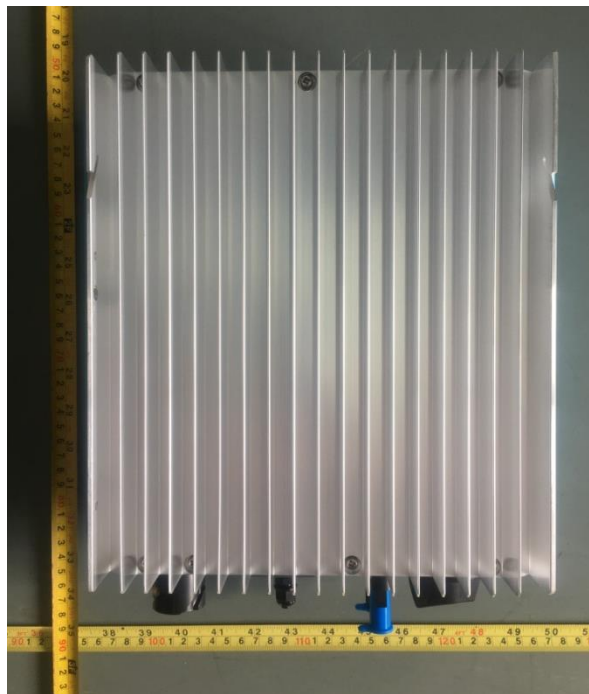
Front view: EVVO 1100TL-AV、EVVO 1600TL-AV、EVVO 2200TL-AV



Front view: EVVO 2700TL-AV、EVVO 3000TL-AV、EVVO 3200TL-AV



Rear view: EVVO 1100TL-AV、EVVO 1600TL-AV、EVVO 2200TL-AV



Rear view: EVVO 2700TL-AV、EVVO 3000TL-AV、EVVO 3200TL-AV



Terminal view



Side view

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