



Test Verification of Conformity

Verification Number: 190912147GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	EVOLVE ENERGY GROUP CO., LIMITED RM 702, 7/F FU FAI COMM CTR 27 HILLIER ST SHEUNG WAN, HK
Product Description:	Solar Grid-tied Inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	EVVO 10000TLG23P, EVVO 12000TLG23P, EVVO 15000TLG23P
Brand Name(s):	
Standard(s)/Directive(s):	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	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
Test Report Number(s):	190912147GZU-001, 190912147GZU-002

Additional information in Appendix



Signature

Name: Tommy Zhong

Position: Technical Manager

Date: 08 Oct., 2019

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 190912147GZU-VOC001

Ratings & Principle Characteristics:

Model	EVVO 10000TLG23P	EVVO 12000TLG23P	EVVO 15000TLG23P
Max.PV voltage	1000 d.c.V		
PV MPPT voltage range	160-960 d.c.V		
Max.input current	21 /11 d.c.A		
PV Isc	30/15 d.c.A		
Max.output power	10000W	12000W	15000W
Max.apparent power	11000VA	13200VA	16500VA
Nominal output voltage	3/N/PE, 230 /400 a.c.V		
Max.output current	3×16.5 a.c.A	3×20.0 a.c.A	3×24.0 a.c.A
Nominal output Frequency	50 Hz		
Power factor range	0.8Leading – 0.8 lagging		
Inverter technology	Non-isolated		
Safety level	Class I		
Ingress Protection	IP 65		
Operation Ambient Temperature	-25°C - +60°C		
Software Version	V0.21		

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CERTIFICATE OF CONFORMITY

Certificate number

No: 2619/0190 – IND – M1 – CER

Holder

Evolve Energy Group co., Limited
RM 702, 7/F Fu Fai Comm Ctr 27 Hillier St Sheung Wan, HK

Trademark

Factory location

1F – 6F, Building E, No.1 JinQi Road, Bihu Industrial Park.
Wulian Village, Fenggang Town, Dongguan, P.R. China.

Type of generator

PV Inverter

Models

EVVO 10000TLG23P

EVVO 12000TLG23P

EVVO 15000TLG23P

Technical Data

Nominal Power

10000 VA

12000 VA

15000 VA

Nominal Voltage

230 / 400 V

230 / 400 V

230 / 400 V

Nominal Frequency

50

Firmware version

V0.21

Number of phases

Three phases

Isolation transformer

NO

This certificate of conformity confirms that one sample of the above-mentioned product is in compliance with:

- IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.
- IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.
- IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.
- IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).
- IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.
- IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
- IEC 61727:2004. Photovoltaics (PV) systems – Characteristics of the utility interface

This certificate of conformity is based upon the test results of the test reports number below detailed and is only valid when the product is manufactured in accordance with the tested sample.

- 2219/0190 – 1 – M1 for IEC 61727:2004
- 2219/0190 – 2 – M1 for IEC 62116:2014
- 2219/0190 – 3 – M1 for IEC 61683:1999
- 2219/0190 – 4 – M1 for IEC 60068-2-1:2007; IEC 60068-2-2:2007; IEC 60068-2-14:2009; IEC 60068-2-30:2005

This certificate will expire in 5 years from the release date of the initial reports, issued the 19th of June of 2019.

Madrid, 17th of October 2019

Daniel Arranz Muñiz
Certification Manager

