



VERIFICATION OF COMPLIANCE

No.: GZES1911026486PV


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

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

Product Name: Solar Grid-tied Inverter (Single Phase Inverter)

Product Description: Inverter used in PV system

Model No.: EVVO 6000TLG2, EVVO 5000TLG2, EVVO 4200TLG2
EVVO 4000TLG2, EVVO 3600TLG2, EVVO 3000TLG2

Trade Mark: 

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 65

Firmware version: V0.22


Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 2

as shown in the

Test Report Number(s): GZES191102648601, GZES191102648602
GZES191102648603, GZES191102648604

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.


David Guo
Senior Technical Manager
SGS-CSTC



2019-11-14

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No.:

GZES1911026486PV

Other information added:

Rating:

Product Model	EVVO 3000TL G2	EVVO 3600TL G2	EVVO 4000TL G2	EVVO 4200TL G2	EVVO 5000TL G2	EVVO 6000TL G2
Input (DC)						
Max.DC Input Power	3500W	4000W	4400W	5000W	5500W	6600W
Max.DC Voltage	600V					
Power Turn on	80V					
Start-up input voltage	120V					
Rated input voltage	360V					
MPPT Voltage Range	90-580V					
Full load DC voltage range	160-520 V	180-520 V	200-520 V	230-520 V	250-520 V	300-520 V
MAX input current per MPPT	11A/11A					
Number of DC inputs	2/2					
Output(AC)						
Max AC Output power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Max AC Output power (PF=1)	3000W	3680W	4000W	4600W	5000W	6000W
Max AC Output Current	13.7A	16.8A	18.2A	21A	22.8A	27.3A
Nominal Grid Voltage	230Vac (Single phase)					
Nominal Frequency	50Hz					
Power factor	1(adjustable+/-0.9)					
Topology	Transformerless					
Operating temperature range	-25 °C ~60 °C					
Degree of protection	IP65					

Test Standard:

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.

David G. [Signature]
 Senior Technical Manager
 SGS-CSTC



2019-11-14

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ATTESTATION of conformity with European Directives



Attestation Number: **1988AB1030N005001**
Product: **Solar Inverter**
Brand Name: **EVVO**
Model: **EVVO 6000TLG2, EVVO 3000TLG2**
Additional Model: **EVVO 5000TLG2, EVVO 4200TLG2, EVVO 4000TLG2,
EVVO 3600TLG2**
Applicant: **EVOLVE ENERGY GROUP CO., LIMITED**
Address: **RM 702, 7/F FU FAI COMM CTR 27 HILLIER ST SHEUNG WAN, HK**
Technical Characteristics: **DC input 90-580V
AC output 220-230V 50/60Hz**

The submitted sample of the above equipment has been tested for  marking according to following European Directive and following standards:

- Electromagnetic Compatibility Directive 2014/30/EU

Standards	Report Number	Report date
EN 61000-6-3:2007 + A1:2011+AC:2012 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 61000-3-11:2001 EN 61000-3-12:2011 EN 61000-6-2:2005	CE191030N005	Nov. 11, 2019

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive.

This verification does not imply assessment of the production of the product. The  marking may be affixed if all relevant and effective European Directives with  are applicable.



Assistant Manager
EMC Department

Name: Glyn He
Date: Nov. 11, 2019

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Information given in this document is related to the tested specimen of the described electrical sample.



Attestation of Conformity

AOC No.: 1988AP1030N005001
Equipment: Solar Grid-tied inverter
Brand Name: 
Test Model No.: EVVO 6000TLG2, EVVO 5000TLG2, EVVO 4200TLG2,
EVVO 4000TLG2, EVVO 3600TLG2, EVVO 3000TLG2
Applicant: EVOLVE ENERGY GROUP CO., LIMITED
RM 702, 7/F FU FAI COMM CTR 27 HILLIER ST SHEUNG WAN, HK
Report No.: LD190308N050-R1

The submitted sample of the above equipment has been tested for CE marking according to following European Directive and standards:

- Low Voltage Directive 2014/35/EU.

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive.

This verification does not imply assessment of the production of the product. The CE marking may be affixed if all relevant and effective European Directives with CE are applicable.

Applied rules and standards

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

Name: James Huang
Technical Manager/ New Energy Team
Date: 2019-11-18

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Attestation of Conformity

AOC No.: 1988AP0308N050001
Equipment: Solar Grid-tied inverter
Brand Name: 
Test Model No.: EVVO 6000TLG2, EVVO 5000TLG2, EVVO 4600TLG2,
EVVO 4000TLG2, EVVO 3600TLG2, EVVO 3000TLG2
Applicant: EVOLVE ENERGY GROUP CO., LIMITED
RM 702, 7/F FU FAI COMM CTR 27 HILLIER ST SHEUNG WAN, HK
Report No.: LD190308N050

The submitted sample of the above equipment has been tested for CE marking according to following European Directive and standards:

- Low Voltage Directive 2014/35/EU.

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive.

This verification does not imply assessment of the production of the product. The CE marking may be affixed if all relevant and effective European Directives with CE are applicable.

Applied rules and standards

EN 62109-1:2010

Safety of power converters for use in photovoltaic power systems – Part 1: General requirements

EN 62109-2:2011

Safety of power converters for use in photovoltaic power systems –
Part 2: Particular requirements for inverters

Name: James Huang
Technical Manager/ New Energy Team
Date: 2019-07-04

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