Certificate of Conformity

Certificate Number: CN-PV-220229R1

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Givenergy Ltd Newspaper House, Chemical Lane, Newcastle Under Lyme, Stoke On Trent, United Kingdom, ST6 4QZ
Product:	PV Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	GIV-HY-5.0-G3
Brand Name<s>:	GivEnergy
Product Complies with:	G99 Issue 1 Amendment 9,3 October 2022 Requirements for the connection of generation equipment in parallel with public distribution networks
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	220707053GZU-001 Revision 2

Replaces certificate CN-PV-220229 dated 02 November 2022

Additional information in Appendix.

Signature

Certification Manager: Grady Ye
Date: 23 February 2023

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PRD N° 306B

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220229R1.

Model	GIV-HY-5.0-G3
Input Date (PV)	
Max. PV array open-circuit Voltage	600Vd.c
Max. total PV array short-circuit circuit	2*20Ad.c
Max. operating PV input current	2*15Ad.c
PV input operating voltage range	100~600Vd.c
MPPT input operating voltage range	120~550Vd.c
Number of independent MPP input	2
Output Date (AC)	
Nominal AC output Power	5000W
AC nominal voltage	230Va.c
AC grid frequency	50Hz
Max. output current	22.8Aa.c
Power factor (Full load)	>0.99
Protect class	I
Backup terminal parameter (AC)	
Nominal AC output Power	3600W
AC nominal voltage	230Va.c
AC grid frequency	50Hz
Max. output current	16Aa.c
Protect class	I
Battery	
Battery Type	Lead-acid or Li-ion
Normal voltage	48V
Operating voltage range	46.7~57.6V
Max. charging current	65Ad.c
Max. discharging current	81Ad.c
Max. charging Power	3600W
Max. discharging Power	3600W