


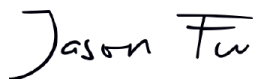
# Test Verification of Conformity

Verification Number: 230210065GZU- VOC002

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. This verification is part of the full test report<s> and should be read in conjunction with it <them>. This verification replaces previous verification 221114162GZU-VOC002 dated: 21November 2022.

Applicant Name & Address:	Givenergy Ltd Newspaper House, Chemical Lane, Newcastle Under Lyme, Stoke On Trent, United Kingdom, ST6 4QZ.
Product Description:	PV Hybrid inverter
Ratings & Principle Characteristics:	See appendix: Test Verification of Conformity
Models/Type References:	GIV-HY-5.0-G3
Brand Names:	
Specification<s>/Standards:	G99/NI Issue 1 April 2019 Requirements for the connection of generation equipment in parallel with public distribution networks
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	15 Nov 2022 – 21 Nov 2022
Test Report Number(s):	221114162GZU-002 Revision 2

Additional information in Appendix.



Signature

Name: Jason Fu

Position: Supervisor

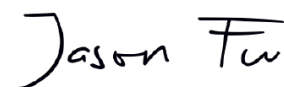
Date: 20 February 2023

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230210065GZU-VOC002

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



**Signature**

**Name: Jason Fu**

**Position: Supervisor**

**Date: 20 February 2023**

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