

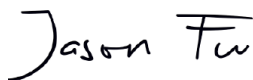
Test Verification of Conformity

Verification Number: 230808162GZU- VOC001

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>.

Applicant Name & Address:	Shenzhen GivEnergy Co., Ltd 6 # -1001, 1002, 1003, 1004, Building 6, Chuangwei Innovation Valley, No.8 Tangtou 1st Road, Shiyan Sub-district, Bao'an District, Shenzhen, China.
Product Description:	AC Coupled
Ratings & Principle Characteristics:	See appendix: Test Verification of Conformity
Models/Type References:	GIV-AIO-AC-13.5-3.6, GIV-AIO-GW1
Brand Names:	GivEnergy
Specification<s>/Standards:	G98/NI Issue 1 April 2019 Requirements for the connection of Fully Type Tested Micro-generators (up to and including 16 A per phase) in parallel with public Low Voltage 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:	09 Aug 2023 – 20 Aug 2023
Test Report Number(s):	230808162GZU-002

Additional information in Appendix.



Signature

Name: Jason Fu
Position: Supervisor
Date: 31 Oct 2023

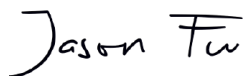
This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230808162GZU-VOC001

Ratings & Principle Characteristics:

Model	GIV-AIO-AC-13.5-3.6
INPUT/OUTPUT AC	
Nominal AC power	3600W
Max. Apparent power	3600VA
Peak power (10s, off-grid)	4300VA
Rated grid voltage (AC voltage range)	230 Va.c.(180 to 270Va.c.)
Rated grid Frequency	50/60Hz
Nominal AC current	16A
Max. AC current	16A
Power Factor (Full load)	> 0.99
Power factor range	0.8 leading to 0.8 lagging
Number of parallel operation	6(M1-S5)
Maximum output fault current	400A@10us
Maximum output overcurrent protection	70A
BATTERY	
Battery voltage range	260—346V
Max.charge/discharge current	25A
Nominal voltage	307V
Communication interfaces	CAN
Battery capacity	13.5kWh
ENVIRONMENT LIMIT	
Ingress protection	IP65
Operating temperature range	-10 ~ +50°C
Altitude	4000m (Derating above 2000m)
GENERAL DATA	
Protective Class	Class I
Cooling concept	Natural
Topology	Transformerless
Communication	RS485/WIFI/4G inside



Signature

Name: Jason Fu

Position: Supervisor

Date: 31 Oct 2023

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230808162GZU-VOC001

Ratings & Principle Characteristics:

Model	GIV-AIO-GW1
GRID/OFF-GRID OUTPUT AC	
Nominal AC power	18400W
Nominal AC current	80A
Max. AC current	80A
Rated voltage	230Va.c.
Rated Frequency	50/60Hz
Maximum output fault current	6000A
Maximum output overcurrent protection	80A
EV CHARGER OUTPUT AC	
Nominal AC power	7200W
Nominal AC current	32A
Max. AC current	32A
Rated voltage	230Va.c.
Rated Frequency	50/60Hz
Maximum output fault current	6000A
Maximum output overcurrent protection	32A
AIO INPUT AC	
Rated voltage	230Va.c.
Nominal AC current	26A
Max. AC current	26A
Rated Frequency	50/60Hz

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 31 Oct 2023

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230808162GZU-VOC001

Ratings & Principle Characteristics:

PV INV INPUT AC	
Rated voltage	230Va.c.
Nominal AC current	21.7A
Max. AC current	21.7A
Rated Frequency	50/60Hz
AIO Parallel INPUT AC	
Rated voltage	230Va.c.
Nominal AC current	130A
Max. AC current	130A
Rated Frequency	50/60Hz
GENERAL DATA	
Ingress protection	IP65
Operating temperature range	-20 ~ +50°C
Protective Class	Class I

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 31 Oct 2023

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.