Test Verification of Conformity

Verification Number: 180408091GZU-001

On the basis of the refenerced 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.

Once compliance with all product relevant CE 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) if the product complies with all relevant CE mark Directives requirements.

Applicant Name & Address:	JMHing Power Ltd Unit 10, Kelleythorpe Industrial Estate, Driffield, YO25 9DJ, United Kingdom
Product Description:	PV Energy-storage Inverter
Models/Type References:	Giv-AC3.0, Giv-AC2.0
Ratings & Principle Characteristics:	See page 2
Brand Name(s):	GivEnergy
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:	Intertek Legal Entity: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Date of Tests:	15 Apr. 2018 - 20 Apr. 2018
Test Report Number(s):	180408091GZU-001, 180408091GZU-002, 160420072GZU-001, 160420072GZU-002

Additional information in Appendix.

Tommy

Signature

Name: **Tommy Zhong**
Position: Assistant Technical Engineer
Date: 14 May 2018

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 180408102GZU-001

Ratings & Principle Characteristics:	
	Model: Giv-AC3.0 Output/Input Data (AC) Nominal AC power: 3000W AC Nominal voltage: 230Va.c. AC grid frequency:50Hz Max.current:14.3Aa.c. Power factor : 0.8 Leading ~ 0.8 Lagging Backup terminal parameter (AC) Nominal AC output power:3000W AC nominal voltage:230Va.c, AC grid frequency: 50Hz Max. output current: 14.3Aa.c Battery Battery Type: Lead-acid or Li-ion Nominal voltage: 48V Operating voltage range: 46-58V Max. Charging Current: 60Ad.c. Max. Discharging Current: 60Ad.c. Max. Charging & Discharging Power: 3000W Ingress Protection: IP 65 Protective Class: I Operating temperature range: -25 — +60℃ Software Version: D4-A4
	Model: Giv-AC2.0 Output/Input Data (AC) Nominal AC power: 2000W AC Nominal voltage: 230Va.c. AC grid frequency:50Hz Max.current:9.5Aa.c. Power factor : 0.8 Leading ~ 0.8 Lagging Backup terminal parameter (AC) Nominal AC output power:2000W AC nominal voltage:230Va.c, AC grid frequency: 50Hz Max. output current: 9.5Aa.c Battery Battery Type: Lead-acid or Li-ion Nominal voltage: 48V Operating voltage range: 46-58V Max. Charging Current: 40Ad.c. Max. Discharging Current: 40Ad.c. Max. Charging & Discharging Power: 2000W Ingress Protection: IP 65 Protective Class: I Operating temperature range: -25 — +60℃ Software Version: D4-A4

Tommy

Signature

Name: **Tommy Zhong**
Position: Assistant Technical Engineer
Date: 14 May 2018