

# Test Verification of Conformity

Verification Number: 180408091GZU-001

On the basis of the referenced 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):	
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.



Signature

Name: Tommy Zhong

Position: Assistant Technical Engineer

Date: 14 May 2018

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## 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°C  
 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°C  
 Software Version: D4-A4



Signature

Name: Tommy Zhong

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