


# Test Verification of Conformity

Verification Number: 200802098SHA-V1

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. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  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).

Applicant Name & Address:	Jiangsu Koyoe Energy Technology Co., Ltd. No.40, Wangwu Road, Wuzhong District, Suzhou, P.R.China
Product Description:	Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix table
Models/Type References:	KY-1Hybrid-5k0-H
Brand Name:	KOYOE
Relevant Standards/Directives:	IEC/EN 62109-2:2011 in conjunction with IEC/EN 62109-1:2010 the Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2020-05-20 to 2020-08-28
Test Report Number(s):	200802098SHA-001

Additional information in Appendix.



**Signature**

**Name:** Jonny Jing  
**Position:** Manager  
**Date:** 2020-08-31

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200802098SHA-V1

Manufacturer:

Jiangsu Koyoe Energy Technology Co., Ltd.  
No.40, Wangwu Road, Wuzhong District, Suzhou, P.R.China

Specifications table	
<b>Model</b>	KY-1Hybrid-5k0-H
<b>PV input</b>	
Vmax PV (Vdc)	550V d.c.
Isc PV (absolute Max.) (A)	15A/15A
Number MPP trackers	2
Number input strings	1/1
Max. PV input current(A) / string	12A/12A
MPPT voltage range (Vdc)	120-500Vdc
Vdc range @ full power (Vdc)	250-500Vdc
<b>Battery (input and output)</b>	
Max Input/Output Voltage	450V
Operating Voltage Range	85V ~450V (Auto-adaptive )
Max charge/discharge Current	23A/27A
Max Input/Output Power	5000W/5500W
<b>AC Grid (input and output)</b>	
Normal Voltage (VAC)	230VAC, 1 $\phi$ (L/N/PE)
Frequency (Hz)	50Hz
Max. continuous input/output current (A)	21.7A
Max. continuous output Power (kW)	5000W
Max. continuous output Power (kVA)	5000VA
Power factor and PF range	>0.99 (-0.8 ~ +0.8)
<b>Off-Grid AC Output</b>	
Normal Voltage (VAC)	230VAC, 1 $\phi$ (L/N/PE) ( N not connect PE inside)
Frequency (Hz)	50Hz

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Specifications table	
<b>Model</b>	KY-1Hybrid-5k0-H
Nominal Output Current	21.7A
Nominal Output Power W	5000 W
Nominal Output Power VA	5000 VA
<b>others</b>	
Protective class	Class I
Ingress protection	IP 65
working temperature	-25°C to 60°C (derating 45°C)
Overvoltage category	OVC II(PV) , OVCIII(AC main Grid)
Isolation	transformerless



**Signature**

**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2020-08-31**