

# Test Verification of Conformity

Verification Number: 200902782SHA-V2

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 **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).

Applicant Name & Address:	Jiangsu Koyoe Energy Technology Co., Ltd. No.40, Wangwu Road, Wuzhong District, Suzhou, P.R.China
Product Description:	PV Grid interactive inverter
Ratings & Principle Characteristics:	See Appendix table
Models/Type References:	KY-3GT-20k0, KY-3GT-17k0, KY-3GT-15k0, KY-3GT-12k0, KY-3GT-10k0
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 2020-11-15
Test Report Number(s):	200902782SHA-004/005

Additional information in Appendix.

**Signature**



**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2020-11-25**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200902782SHA-V2

Manufacturer:

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

Specifications table			
Model	KY-3GT-20k0	KY-3GT-17k0	KY-3GT-15k0
<b>PV input:</b>			
Vmax PV (Vdc)	1000Vdc	1000Vdc	1000Vdc
Isc PV (absolute Max.) (A)	28A/28A	28A/28A	28A/15A
Number MPP trackers	2	2	2
Number input strings	2/2	2/2	2/1
Max. PV input current(A)	23A/23A	23A/23A	23A/12A
MPPT voltage range (Vdc)	200-950Vdc	200-950Vdc	200-950Vdc
Vdc range @ full power (Vdc)	450-800Vdc	450-800Vdc	450-800Vdc
<b>AC Grid output</b>			
Normal Voltage (VAC)	230/400 VAC, 3 $\phi$ /N/PE		
Frequency (Hz)	50Hz		
Max. continuous AC output current (A)	31A	25A	23A
Max. continuous Power (kW)	20kW	17kW	15kW
Max. continuous Power (kVA)	20kVA	17 kVA	15 kVA
Power factor rated(adjustable)	1 (-0.8~+0.8)	1 (-0.8~+0.8)	1 (-0.8~+0.8)
<b>others</b>			
Protective class	Class I		
Ingress protection	IP 65		
working temperature	-25 $^{\circ}$ C-60 $^{\circ}$ C (45 $^{\circ}$ C derating)		
Overvoltage category	OVC II(PV), OVCIII (AC main Grid)		
Firmware Version	V.0.0.00		

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Specifications table		
Model	KY-3GT-12k0	KY-3GT-10k0
<b>PV input:</b>		
Vmax PV (Vdc)	1000Vdc	1000Vdc
Isc PV (absolute Max.) (A)	15A	15A
Number MPP trackers	2	2
Number input strings	1/1	1/1
Max. PV input current(A)	12A	12A
MPPT voltage range (Vdc)	200-950Vdc	200-950Vdc
Vdc range @ full power (Vdc)	450-800Vdc	450-800Vdc
<b>AC input and output</b>		
Normal Voltage (VAC)	230/400 VAC, 3 $\phi$ /N/PE	
Frequency (Hz)	50Hz	
Max. continuous AC output current (A)	17.5A	15.2A
Max. continuous Power (kW)	12kW	10kW
Max. continuous Power (kVA)	12VA	10VA
Power factor range	1 (-0.8~+0.8)	1 (-0.8~+0.8)
<b>others</b>		
Protective class	Class I	
Ingress protection	IP 65	
working temperature	-25 $^{\circ}$ C-60 $^{\circ}$ C (45 $^{\circ}$ C derating)	
Overvoltage category	OVC II(PV), OVCIII(AC main Grid)	
Firmware Version	V.0.0.00	

Signature



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