


# Test Verification of Conformity

Verification Number: 220308052GZU-VOC001

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:	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
Product Description:	PV Grid inverter
Models/Type References:	MAX 50KTL3-XL2, MAX 60KTL3-XL2, MAX 70KTL3-XL2, MAX 73KTL3-XL2, MAX 75KTL3-XL2, MAX 50KTL3-XL1, MAX 60KTL3-XL1, MAX 70KTL3-XL1, MAX 73KTL3-XL1, MAX 75KTL3-XL1
Ratings & Principle Characteristics:	See Appendix
Brand Name:	GROWATT
Relevant Standards/Directives:	EN 62920: 2017+A11:2020+A1:2021 EN 55011:2016+A1:2017+A11:2020+A2:2021 EN IEC 61000-3-11:2019 EN 61000-3-12:2011  EMC Directive 2014/30/EU
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:	07 May 2022-30 May 2022
Test Report Number(s):	220308052GZU-001/002
Additional information in Appendix.	



**Signature**

**Name: Sky Zhu**

**Position: Team Leader**

**Date: 29 July 2022**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220308052GZU-VOC001

Ratings & Principle Characteristics:

Model	MAX 50KTL3- XL2	MAX 60KTL3- XL2	MAX 70KTL3- XL2	MAX 73KTL3- XL2	MAX 75KTL3- XL2
Max.PV voltage	1100Vdc				
MPPT voltage	180-850Vdc				
Max.input current	8*45A				
PV Isc	8*56.5A				
Nominal output voltage	3W/N/PE, 127/220Vac				
Nominal output Frequency	50/60Hz				
Max.output current	144.3A	173.2A	183.7A	191.6A	196.9A
Max. output power	50KW	60KW	70KW	73KW	75KW
Max. apparent power	55KVA	66KVA	70KVA	73KVA	75KVA
Power factor range	0.8Leading~0.8Lagging				
Safety level	Class I				
Ingress Protection	IP 66				
Operation Ambient Temperature	-30°C - +60°C				
Software version	TN1.0				

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Model	MAX 50KTL3- XL1	MAX 60KTL3- XL1	MAX 70KTL3- XL1	MAX 73KTL3- XL1	MAX 75KTL3- XL1
Max.PV voltage	1100Vdc				
MPPT voltage	180-850Vdc				
Max.input current	10*32A				
PV Isc	10*40A				
Nominal output voltage	3W/N/PE, 127/220Vac				
Nominal output Frequency	50/60Hz				
Max.output current	144.3A	173.2A	183.7A	191.6A	196.9A
Max. output power	50KW	60KW	70KW	73KW	75KW
Max. apparent power	55KVA	66KVA	70KVA	73KVA	75KVA
Power factor range	0.8Leading~0.8Lagging				
Safety level	Class I				
Ingress Protection	IP 66				
Operation Ambient Temperature	-30°C - +60°C				
Software version	TN1.0				



### Signature

**Name:** Sky Zhu  
**Position:** Team Leader  
**Date:** 29 July 2022

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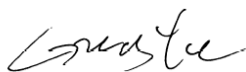
# Certificate of Conformity

Certificate Number: CN-PV-220127

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

<b>Applicant:</b>	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
<b>Product:</b>	PV Grid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See Appendix to Certificate of Conformity
<b>Model:</b>	MAX 50KTL3-XL2, MAX 60KTL3-XL2, MAX 70KTL3-XL2, MAX 73KTL3-XL2 MAX 75KTL3-XL2, MAX 50KTL3-XL1, MAX 60KTL3-XL1, MAX 70KTL3-XL1, MAX 73KTL3-XL1, MAX 75KTL3-XL1
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	IEC/EN 62109-1:2010. Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements IEC/EN 62109-2:2011. Safety of Power Converter for use in Photovoltaic Power Systems Part 2: Particular requirements for inverters
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China  Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
<b>Test Report No.&lt;s&gt;:</b>	220308046GZU-003, 220308046GZU-004

Certification procedure: SMS-PV-OP-19  
Product certification scheme type: Type test  
Additional information in Appendix.



Signature

Certification Manager: Grady Ye  
Date: 28 June 2022



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产品  
PRODUCT  
CNAS C058-P

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220127

Model	MAX 50KTL3- XL2	MAX 60KTL3- XL2	MAX 70KTL3- XL2	MAX 73KTL3- XL2	MAX 75KTL3- XL2
Max.PV voltage	1100Vdc				
MPPT voltage	180-850Vdc				
Max.input current	8*45A				
PV Isc	8*56.5A				
Nominal output voltage	3W/N/PE, 127/220Vac				
Nominal output Frequency	50/60Hz				
Max.output current	144.3A	173.2A	183.7A	191.6A	196.9A
Max. output power	50KW	60KW	70KW	73KW	75KW
Max. apparent power	55KVA	66KVA	70KVA	73KVA	75KVA
Power factor range	0.8Leading~0.8Lagging				
Safety level	Class I				
Ingress Protection	IP 66				
Operation Ambient Temperature	-30°C - +60°C				
Software version	TN1.0				

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## APPENDIX: Certificate of Conformity

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Model	MAX 50KTL3- XL1	MAX 60KTL3- XL1	MAX 70KTL3- XL1	MAX 73KTL3- XL1	MAX 75KTL3- XL1
Max.PV voltage	1100Vdc				
MPPT voltage	180-850Vdc				
Max.input current	10*32A				
PV Isc	10*40A				
Nominal output voltage	3W/N/PE, 127/220Vac				
Nominal output Frequency	50/60Hz				
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<b>Applicant:</b>	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
<b>Product:</b>	PV Grid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See Appendix to Certificate of Conformity
<b>Model:</b>	MAX 50KTL3-XL2, MAX 60KTL3-XL2, MAX 70KTL3-XL2, MAX 73KTL3-XL2 MAX 75KTL3-XL2, MAX 50KTL3-XL1, MAX 60KTL3-XL1, MAX 70KTL3-XL1, MAX 73KTL3-XL1, MAX 75KTL3-XL1
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	IEC 61727:2004. Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China  Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
<b>Test Report No.&lt;s&gt;:</b>	220308046GZU-001, 220308046GZU-002

Certification procedure: SMS-PV-OP-19  
Product certification scheme type: Type test  
Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 1 June 2022



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PRODUCT  
CNAS C058-P

## APPENDIX: Certificate of Conformity

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