

Certificate of Conformity

Certificate Number: CN-PV-190022

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.

Applicant: Shenzhen Growatt New Energy Technology Co.,Ltd

1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28,

GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen,

P.R.China

Product: PV Grid inverter

Ratings & Principle Characteristics:

See appendix of Certificate of Conformity

MAC 50KTL3-X LV, MAC 60KTL3-X LV

Brand Name: Growatt

Tested according to: IEC 60068-2-1:2007, Environmental testing – Part 2-1: Tests- Test A: Cold

IEC 60068-2-2:2007, Environmental testing – Part 2-2: Tests- Test B: Dry heat IEC 60068-2-14:2009, Environmental testing – Part 2-14: Tests- Test N: Change

of temperature

IEC 60068-2-30:2005, Environmental testing – Part 2-30: Tests- Test Db: Damp

heat, cyclic (12h +12h cycle)

IEC 61683: 1999, Photovoltaic systems - Power conditioners - Procedure for

measuring efficiency

Certificate Issuing Office Name

& Address:

Intertek Testing Services Ltd. Shanghai

2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental

Area, Shanghai, P. R. China

Test Report No.: 190820066GZU-001

Additional information in Appendix.

Signature

Certification Manager: Grady Ye

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Date: 27 September 2019

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SFT-PV-OP-23a (29-August-2019)

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190022

Ratings & Principle Characteristics:

Model	MAC	MAC
	50KTL3-X LV	60KTL3-X LV
Max.PV voltage	1100Vdc	
PV voltage range	200V – 1000Vdc	
Max.input current	50/37.5/37.5A	50A*3
PV Isc	55A*3	
Nominal output voltage	3W/N/PE, 230/400Vac	
Nominal output Frequency	50/60Hz	
Max.output current	80.5A	96.6A
Max.output power	50.0KW	60.0KW
Max.apparent power	55.5KVA	66.6KVA
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 65	
Operation Ambient Temperature	-25°C - +60°C	
Software version	TK1.0	

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