

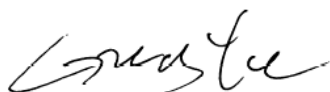
Certificate of Conformity

Certificate Number: CN-PV-190087

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
Model:	MAX 50KTL3 LV, MAX 60KTL3 LV, MAX 70KTL3 LV, MAX 80KTL3 LV, MAX 60KTL3 MV, MAX 70KTL3 MV, MAX 80KTL3 MV, MAX 100KTL3 MV
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.:	191120148GZU-006

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 16 December 2019

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190087

Ratings & Principle Characteristics:

Model	MAX 50KTL3 LV	MAX 60KTL3 LV	MAX 70KTL3 LV
Max. PV voltage	1100 d.c.V		
PV voltage range	200-1000 d.c.V		
PV Isc	32 d.c.A*6		32 d.c.A*7
Max. input current	26 d.c.A*6		26 d.c.A*7
Max. output power	50000W	60000W	70000W
Max. apparent power	55500VA	66600VA	77700VA
Nominal output voltage	3W/N/PE 230/400 a.c.V		
Max. output current	80.5 a.c.A	96.6 a.c.A	112.7 a.c.A
Nominal output frequency	50/60Hz		
Power factor range	0.8Leading ~ 0.8Lagging		
Safety level	Class I		
Ingress Protection	IP65		
Operation Ambient Temperature	-25°C - +60°C		
Software Version	T11.0		

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190087

Ratings & Principle Characteristics:

Model	MAX 80KTL3 LV	MAX 60KTL3 MV	MAX 70KTL3 MV	MAX 80KTL3 MV
Max. PV voltage	1100 d.c.V			
PV voltage range	200-1000 d.c.V			
PV Isc	32 d.c.A*7	32 d.c.A*6	32 d.c.A*7	
Max. input current	26 d.c.A*7	26 d.c.A*6	26 d.c.A*7	
Max. output power	80000W	60000W	70000W	80000W
Max. apparent power	88800VA	66600VA	77700VA	88800VA
Nominal output voltage	3W/N/PE 230/400 a.c.V	3W/N/PE or 3W+PE 277/480 a.c.V		
Max. output current	128.8 a.c.A	80.2 a.c.A	93.6 a.c.A	107.0 a.c.A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Safety level	Class I			
Ingress Protection	IP65			
Operation Ambient Temperature	-25°C - +60°C			
Software Version	TI1.0			

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190087

Ratings & Principle Characteristics:

Model	MAX 100KTL3 MV
Max. PV voltage	1100 d.c.V
PV voltage range	200-1000 d.c.V
PV Isc	32 d.c.A*7
Max. input current	26 d.c.A*7
Max. output power	100000W
Max. apparent power	111000VA
Nominal output voltage	3W+PE 288/500 a.c.V
Max. output current	128.6 a.c.A
Nominal output frequency	50/60Hz
Power factor range	0.8Leading ~ 0.8Lagging
Safety level	Class I
Ingress Protection	IP65
Operation Ambient Temperature	-25°C - +60°C
Software Version	TI1.0

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