

Certificate of Conformity

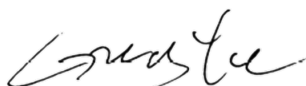
Certificate Number: CN-PV-210045R1

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) 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 Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
Product:	PV Grid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	MIN 7000TL-X, MIN 7000TL-X(E), MIN 8000TL-X, MIN 8000TL-X(E), MIN 9000TL-X, MIN 10000TL-X MIN 7000TL-X2, MIN 8000TL-X2, MIN 9000TL-X2, MIN 10000TL-X2
Brand Name<s>:	GROWATT
Product Complies with:	IEC/EN 62109-1:2010 (First Edition) 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
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	230403062GZU-001, 230403062GZU-002

Replaces certificate CN-PV-210045 dated 23 March 2021

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 09 October 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210045R1

Model	MIN 7000TL-X MIN 7000TL-X2	MIN 7000TL-X(E)
Max.PV voltage	600 d.c.V	
PV voltage range	60-550 d.c.V	
Max.input current per MPP trackers	13.5/13.5/13.5 d.c.A 18 d.c.A*3 (for X2)	13.5/27 d.c.A
PV Isc per MPP trackers	16.9/16.9/16.9 d.c.A 24 d.c.A*3 (for X2)	16.9/33.8 d.c.A
Max.output power	7000W	7000W
Max.apparent power	7000VA	7000VA
Nominal output voltage	230 a.c.V	
Max.output current	33.5 a.c.A	33.5 a.c.A
Nominal output Frequency	50/60 Hz	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-25°C - +60°C -30°C - +60°C (for X2)	
Software Version	AM1.0	

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APPENDIX: Certificate of Conformity

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Model	MIN 8000TL-X MIN 8000TL-X2	MIN 8000TL-X(E)
Max.PV voltage	600 d.c.V	
PV voltage range	60-550 d.c.V	
Max.input current per MPP trackers	13.5/13.5/13.5 d.c.A 18 d.c.A*3 (for X2)	13.5/27 d.c.A
PV Isc per MPP trackers	16.9/16.9/16.9 d.c.A 24 d.c.A*3 (for X2)	16.9/33.8 d.c.A
Max.output power	8000W	8000W
Max.apparent power	8000VA	8000VA
Nominal output voltage	230 a.c.V	
Max.output current	38.3 a.c.A	38.3 a.c.A
Nominal output Frequency	50/60 Hz	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-25°C - +60°C -30°C - +60°C (for X2)	
Software Version	AM1.0	

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210045R1

Model	MIN 9000TL-X MIN 9000TL-X2	MIN 10000TL-X MIN 10000TL-X2
Max.PV voltage	600 d.c.V	
PV voltage range	60-550 d.c.V	
Max.input current per MPP trackers	13.5/13.5/27 d.c.A 18 d.c.A*3 (for X2)	
PV Isc per MPP trackers	16.9/16.9/33.8 d.c.A 24 d.c.A*3 (for X2)	
Max.output power	9000W	10000W
Max.apparent power	9000VA	10000VA
Nominal output voltage	230 a.c.V	
Max.output current	43.0 a.c.A	45.5 a.c.A
Nominal output Frequency	50/60 Hz	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-25°C - +60°C -30°C - +60°C (for X2)	
Software Version	AM1.0	

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