

Certificate of Conformity

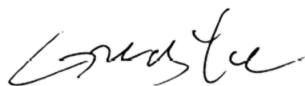
Certificate Number: CN-PV-210073R1

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 2500TL-X, MIN 3000TL-X, MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X , MIN 2500TL-X2, MIN 3000TL-X2, MIN 3600TL-X2, MIN 4200TL-X2, MIN 4600TL-X2, MIN 5000TL-2X, MIN 6000TL-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>:	230403058GZU-001, 230403058GZU-002

Replaces certificate CN-PV-210073 dated 23 April 2021

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 27 September 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210073R1

Model	MIN 2500TL-X	MIN 3000TL-X	MIN 3600TL-X	MIN 4200TL-X
Max.PV voltage	500 d.c.V		550 d.c.V	
PV voltage range	80-500 d.c.V		80-550 d.c.V	
PV Isc	16.9 d.c.A*2			
Max.input current	13.5 d.c.A*2			
Max.output power	2500W	3000W	3600W	4200W
Max.apparent power	2500VA	3000VA	3600VA	4200VA
Nominal output voltage	230 a.c.V			
Max.output current	11.3 a.c.A	13.6 a.c.A	16 a.c.A	19 a.c.A
Nominal output Frequency	50/60Hz			
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	AK1.0			

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APPENDIX: Certificate of Conformity

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Model	MIN 4600TL-X	MIN 5000TL-X	MIN 6000TL-X
Max.PV voltage	550 d.c.V		
PV voltage range	80-550 d.c.V		
PV Isc	16.9 d.c.A*2		
Max.input current	13.5 d.c.A*2		
Max.output power	4600W	5000W	6000W
Max.apparent power	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V		
Max.output current	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz		
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	AK1.0		

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Model	MIN 2500TL-X2	MIN 3000TL-X2	MIN 3600TL-X2	MIN 4200TL-X2
Max.PV voltage	500 d.c.V		550 d.c.V	
PV voltage range	40-500 d.c.V		40-550 d.c.V	
PV Isc	16 d.c.A*2			
Max.input current	24 d.c.A*2			
Max.output power	2500W	3000W	3600W	4200W
Max.apparent power	2500VA	3000VA	3600VA	4200VA
Nominal output voltage	230 a.c.V			
Max.output current	11.3 a.c.A	13.6 a.c.A	16 a.c.A	19 a.c.A
Nominal output Frequency	50/60Hz			
Power factor range	0.8Leading ... 0.8 lagging			
Safety level	Class I			
Ingress Protection	IP 66			
Operation Ambient Temperature	-30°C ... +60°C			
Software Version	AK1.0			

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Model	MIN 4600TL-X2	MIN 5000TL-X2	MIN 6000TL-X2
Max.PV voltage	550 d.c.V		
PV voltage range	40-550 d.c.V		
PV Isc	16 d.c.A*2		
Max.input current	24 d.c.A*2		
Max.output power	4600W	5000W	6000W
Max.apparent power	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V		
Max.output current	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz		
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