


Test Verification of Conformity

Verification Number: 210909081GZU- VOC005

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 regulation(s) listed on this verification at the time the tests were carried out. Other standards and Regulations 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 regulations 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:	AC Coupled inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	MIN 2500TL-XE, MIN 3000TL-XE, MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE MIN 2500TL-XH, MIN 3000TL-XH, MIN 3600TL-XH, MIN 4200TL-XH, MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH
Brand Name:	GROWATT
Relevant Standards/Regulations:	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
Verification Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Date of Tests:	01 Jul 2018 to 31 Aug 2018
Test Report Number(s):	181016123GZU-003 and Revision 2: 15 Apr 2021 181016123GZU-004 and Revision 2: 15 Apr 2021

Additional information in Appendix.



Signature

Name: Tommy Zhong

Position: Technical Manager

Date: 30 Sep 2021

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210909081GZU-VOC005.

Model	MIN 2500TL-XE MIN 2500TL-XH	MIN 3000TL-XE MIN 3000TL-XH	MIN 3600TL-XE MIN 3600TL-XH	MIN 4200TL-XE MIN 4200TL-XH
Max.PV voltage	500 d.c.V		550 d.c.V	
PV voltage range	80-500 d.c.V (only for MIN 2500TL-XE, MIN 3000TL-XE) 70-500 d.c.V (only for MIN 2500TL-XH, MIN 3000TL-XH)		80-550 d.c.V (only for MIN 3600TL-XE, MIN 4200TL-XE) 70-550 d.c.V (only for MIN 3600TL-XH, MIN 4200TL-XH)	
PV Isc	16.9 d.c.A*2			
Max.input current	13.5 d.c.A*2			
Max. DC voltage	500 d.c.V (only for MIN 2500TL-XH, MIN 3000TL-XH)		550 d.c.V (only for MIN 3600TL-XH, MIN 4200TL-XH)	
DC voltage range	360-500 d.c.V (only for MIN 2500TL-XH, MIN 3000TL-XH)		360-550 d.c.V (only for MIN 3600TL-XH, MIN 4200TL-XH)	
Max. DC current	17 d.c.A (only for MIN 2500TL-XH, MIN 3000TL-XH, MIN 3600TL-XH, MIN 4200TL-XH)			
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	AL 1.0			



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APPENDIX: Test Verification of Conformity

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Model	MIN 4600TL-XE MIN 4600TL-XH	MIN 5000TL-XE MIN 5000TL-XH	MIN 6000TL-XE MIN 6000TL-XH
Max.PV voltage	550 d.c.V		
PV voltage range	80-550 d.c.V (only for MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE) 70-550 d.c.V (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
PV Isc	16.9 d.c.A*2		
Max.input current	13.5 d.c.A*2		
Max. DC voltage	550 d.c.V (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
DC voltage range	360-550 d.c.V (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
Max. DC current	17 d.c.A (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
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	AL 1.0		



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