


# Test Verification of Conformity

Verification Number: 220225028GZU-VOC001

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:	PV Grid inverter, Hybrid inverter & AC Coupled inverter
Models/Type References:	See Appendix
Ratings & Principle Characteristics:	See Appendix
Brand Name:	GROWATT
Relevant Standards/Regulations:	EN 61000-6-1:2007/ IEC 61000-6-1:2005 EN 61000-6-3:2007+A1:2011/IEC 61000-6-3:2006+A1:2010 EN 61000-6-2:2005 (IEC 61000-6-2:2005) EN 61000-6-4:2007+A1:2011(IEC 61000-6-4:2006+A1:2010) Electromagnetic Compatibility Regulations 2016
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	-
Test Report Number(s):	181016129GZU-001 Amendment 1 181016129GZU-002 Amendment 1 181016129GZU-003 Amendment 1 181016129GZU-004 Amendment 1 211217122GZU-001 211217122GZU-002

Additional information in Appendix.



**Signature**

**Name: Sky Zhu**  
**Position: Team Leader**  
**Date: 23 March 2022**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220225028GZU-VOC001

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

This is an Appendix to Test Verification of Conformity Number: 220225028GZU-VOC001

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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## APPENDIX: Test Verification of Conformity

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Model	MIN 2500TL-XA	MIN 3000TL-XA	MIN 3600TL-XA	MIN 4200TL-XA
Max. DC voltage	550 Vdc			
DC voltage range	360-550 Vdc			
Max. DC current	17 A			
Rated input / output power	2500/2500W	3000/3000W	3600/3600W	4200/4200W
Rated apparent power	2500VA	3000VA	3600VA	4200VA
Nominal voltage	230 Vac			
Rated input/output current	11.3/11.3 A	13.6/13.6 A	16/16 A	19/19 A
Nominal Frequency	50Hz			
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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Model	MIN 4600TL-XA	MIN 5000TL-XA	MIN 6000TL-XA
Max. DC voltage	550 Vdc		
DC voltage range	360-550 Vdc		
Max. DC current	17 A		
Rated input/output power	4600/4600W	5000/5000W	5000/6000W
Rated apparent power	4600VA	5000VA	6000VA
Nominal voltage	230 Vac		
Nominal input/output current	20.9/20.9 A	22.7/22.7 A	22.7/27.2 A
Nominal Frequency	50Hz		
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 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			
Rated. output power	2500W	3000W	3600W	4200W
Rated. apparent power	2500VA	3000VA	3600VA	4200VA
Nominal output voltage	230 a.c.V			
Rated. output current	10.9 a.c.A	13.0 a.c.A	15.7 a.c.A	18.3 a.c.A
Nominal output Frequency	50Hz			
Power factor range	0.8Leading – 0.8 lagging			
Safety level	Class I			
Ingress Protection	IP 65			
Overvoltage category	PV:II; AC:III			
Operation Ambient Temperature	-25°C - +60°C			
Software version	AK1.0			

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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		
Rated. output power	4600W	5000W	6000W
Rated. apparent power	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V		
Max. output current	20.0 a.c.A	21.7 a.c.A	26.0 a.c.A
Nominal output Frequency	50Hz		
Power factor range	0.8Leading – 0.8 lagging		
Safety level	Class I		
Ingress Protection	IP 65		
Overvoltage category	PV:II; AC:III		
Operation Ambient Temperature	-25°C - +60°C		
Software version	AK1.0		



### Signature

**Name:** Sky Zhu

**Position:** Team Leader

**Date:** 23 March 2022

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