

# Test Verification of Conformity

Verification Number: 191011098GZU-VOC001

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. This verification is part of the full test report and should be read in conjunction with it.

Applicant Name & Address:	Shenzhen Growatt New Energy Technology Co., Ltd 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyuan Street, Baoan District, Shenzhen, P.R.China
Product Description:	PV Grid inverter
Ratings & Principle Characteristics:	See APPENDIX of Test Verification of Conformity
Models/Type References:	MIN 2500TL-X, MIN 3000TL-X, MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X
Brand Name:	Growatt
Specifications/Standards:	IEEE 1547:2003 Interconnecting Distributed Resources With Electric Power Systems (R2008) IEEE 1547A:2014 Amendment 1 to IEEE 1547 - Interconnecting Distributed Resources with Electric Power Systems IEEE 1547.1:2005 Standard Conformance Test Procedures For Equipment Interconnecting Distributed Resources With Electric Power Systems
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Test Report Number:	191011098GZU-001

Additional information in Appendix.

## Signature

**Name: Tommy Zhong**  
**Position: Technical Manager**  
**Date: 18 November 2019**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 191011098GZU-VOC001

Ratings & Principle Characteristics:

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 d.c.A*2			
Max.input current	12.5 d.c.A*2			
Max.output power	2500W	3000W	3600W	4200W
Max.apparent power	2500VA	3000VA	3600VA	4200VA
Nominal output voltage	240 a.c.V			
Max.output current	11.3 a.c.A	13.6 a.c.A	16.3 a.c.A	19 a.c.A
Nominal output Frequency	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: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 191011098GZU-VOC001

Ratings & Principle Characteristics:

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 d.c.A*2		
Max.input current	12.5 d.c.A*2		
Max.output power	4600W	5000W	6000W
Max.apparent power	4600VA	5000VA	6000VA
Nominal output voltage	240 a.c.V		
Max.output current	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	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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