

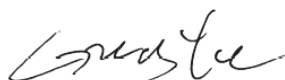
Certificate of Conformity

Certificate Number: CN-PV-190051

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specification/standard at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

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, Shiyan Street, Baoan District, Shenzhen, P.R.China
Product Description:	Static generator (PV Grid inverter)
Ratings & Principle Characteristics:	See appendix for more parameter details.
Models/Type References:	MIN 2500TL-XE, MIN 3000TL-XE, MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE Firmware Version: TL1.0 Number of phases: single-phase Nominal Power: See page 2 for details
Brand Name:	Growatt
Tested according to:	CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
Test Report Number:	181016140GZU-001

Certification procedure: SMS-PV-OP-19
Product certification scheme type: Type test
Additional information in Appendix



Signature
Certification Manager: Grady Ye
Date: 14 November 2019



中国认可
产品
PRODUCT
CNAS C058-P

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190051

Model	MIN 2500TL-XE	MIN 3000TL-XE	MIN 3600TL-XE	MIN 4200TL-XE
Input (DC)				
Max. DC Voltage [V]	500		550	
PV Voltage Range [V]	80-500		80-550	
Max. DC Input Current [A]	12.5*2			
Short Circuit Current Isc [A]	16*2			
Output (AC)				
Rated AC Power [W] (@230V,50Hz)	2500W	3000W	3600W	4200W
Max. AC Apparent Power [VA]	2500VA	3000VA	3600VA	4200VA
Max. AC Current [A]	11.3	13.6	16	19
Nominal AC voltage	230			
Grid frequency	50Hz			
Power factor	0.8Leading ~ 0.8 Lagging			
Safety level	Class I			
Ingress Protection	IP 65			
Operation Ambient Temperature	-25°C - 60°C			
Software version	AL1.0			

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190051

Model	MIN 4600TL-XE	MIN 5000TL-XE	MIN 6000TL-XE
Input (DC)			
Max. DC Voltage [V]	550		
PV Voltage Range [V]	80-550		
Max. DC Input Current [A]	12.5*2		
Short Circuit Current Isc [A]	16*2		
Output (AC)			
Rated AC Power [W] (@230V,50Hz)	4600W	5000W	6000W
Max. AC Apparent Power [VA]	4600VA	5000VA	6000VA
Max. AC Current [A]	20.9	22.7	27.2
Nominal AC voltage	230		
Grid frequency	50Hz		
Power factor	0.8Leading ~ 0.8 Lagging		
Safety level	Class I		
Ingress Protection	IP 65		
Operation Ambient Temperature	-25°C - 60°C		
Software version	AL1.0		

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Verification of certificate with test report: 181016140GZU-001

TYPE OF APPARATUS:

((Interface protection System (SPI) can be integrated to inverter with output power up to 11.08KW)

DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Manufacturer: Shenzhen Growatt New Energy Technology Co.,Ltd

Apparatus type: Static generator (PV Grid inverter)

Model: MIIN 2500TL-XE, MIN 3000TL-XE, MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE,
MIN 5000TL-XE, MIN 6000TL-XE

Firmware Version: AL1.0

Number of phases: single-phase

Nominal power: See Certificate for each model

Remark: The devices are capable to limit I_{dc} to 0.5% of the rated grid current

Having assessed the test report 181016140GZU-001 Issued by laboratory:

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

In compliant with ISO/IEC 17025:2017

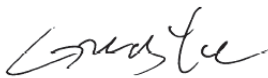
Accreditation number: CNAS L0220

Having examined the ISO 9001 certificate of the manufacturer No: UKQ1809003R2

Issued by:

UNIVERSAL CERTIFICATE CENTRE CO., LTD

The indicated products above are complied with CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities



Signature

Name: Grady Ye

Date: 14 November 2019