

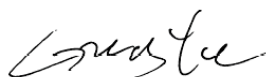
Certificate of Conformity

Certificate Number: CN-PV-210026

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 Co., Ltd 2F and 3F, Building 4, Jiayu Company Industrial Park, Xibianling, Shangyu Village, Shiyan Street, Bao'an District, Shenzhen, China
Product Description:	PV Grid inverter
Ratings & Principle Characteristics:	See appendix for more parameter details.
Models/Type References:	MOD 3000TL3-X, MOD 4000TL3-X, MOD 5000TL3-X, MOD 6000TL3-X, MOD 7000TL3-X, MOD 8000TL3-X, MOD 9000TL3-X, MOD 10KTL3-X, MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X Software Version: DL 1.0 Number of phases: three-phase Nominal Power: See page 2 for details
Brand Name:	
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 West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, 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:	200427175GZU-001

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



Signature
Certification Manager: Grady Ye
Date: 08 February 2021



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-210026

Ratings & Principle Characteristics:

Model	MOD 3000TL3-X	MOD 4000TL3-X	MOD 5000TL3-X	MOD 6000TL3-X
Max. DC input voltage	1100Vdc			
Voltage range	140 – 1000Vdc			
Max. PV Isc	2*16A			
Nominal mains voltage	3W/N/PE 230/400Vac			
Max. output current	5.0A	6.7A	8.3A	10.0A
Nominal output frequency	50Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Max. apparent power	3300VA	4400VA	5500VA	6600VA
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DL 1.0			

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210026

Ratings & Principle Characteristics:

Model	MOD 11KTL3-X	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
Max. DC input voltage	1100Vdc			
Voltage range	140 – 1000Vdc			
Max. PV Isc	2*16A	16/32A		
Nominal mains voltage	3W/N/PE 230/400Vac			
Max. output current	18.3A	20.0A	21.7A	25.0A
Nominal output frequency	50Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Max. apparent power	12100VA	13200VA	14300VA	16500VA
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DL 1.0			

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Verification of certificate with test report: 200427175GZU-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 Co., Ltd

Apparatus type: PV Grid inverter

Model: MOD 3000TL3-X, MOD 4000TL3-X, MOD 5000TL3-X, MOD 6000TL3-X,
MOD 7000TL3-X, MOD 8000TL3-X, MOD 9000TL3-X, MOD 10KTL3-X,
MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X

Software Version: DL 1.0

Number of phases: three-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 200427175GZU-001 Issued by laboratory:

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

In compliant with ISO/IEC 17025:2017

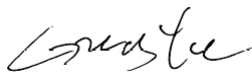
Accreditation number: CNAS L0220

Having examined the ISO 9001 certificate of the manufacturer No: U0019Q50075RIM

Issued by:

Zhongjian Certification Co., Ltd

The indicated product complies 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: 08 February 2021

TYPE OF APPARATUS:

(the static converters in systems with capacity more than 11.08 kW)

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

Manufacturer: Shenzhen Growatt New Energy Co., Ltd

Apparatus type: PV Grid inverter

Model: MOD 3000TL3-X, MOD 4000TL3-X, MOD 5000TL3-X, MOD 6000TL3-X,
MOD 7000TL3-X, MOD 8000TL3-X, MOD 9000TL3-X, MOD 10KTL3-X,
MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X

Software Version: DL 1.0

Number of phases: three-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

Certificate Issuing Office:

Intertek Testing Services Ltd. Shanghai

Accredited in accordance with ISO/IEC 17065:2012

Having assessed the test report 200427175GZU-001 issued by laboratory:

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

In compliant with ISO/IEC 17025:2017

Accreditation number: CNAS L0220

Having examined the ISO 9001 certificate of the manufacturer No: U0019Q50075RIM

Issued by:

Zhongjian Certification Co., Ltd

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