

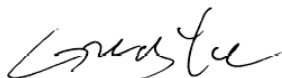
# Certificate of Conformity

Certificate Number: CN-PV-200078

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. 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.

<b>Applicant:</b>	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
<b>Product:</b>	PV Grid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See Appendix to Certificate of Conformity
<b>Models:</b>	MID 10KTL3-X, MID 12KTL3-X, MID 15KTL3-X, MID 17KTL3-X, MID 20KTL3-X, MID 22KTL3-X, MID 25KTL3-X
<b>Brand Name:</b>	Growatt
<b>Tested according to:</b>	EN 50549-1: February 2019 Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including Type B Compliant with COMMISSION REGULATION(EU)2016/631(NC RfG) Type approval for type B
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China
<b>Test Reports No:</b>	190416198GZU-001, Revision 1: 14 Jul 2020

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 17 July 2020

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-200078

### Ratings & Principle Characteristics:

Maximum d.c. input voltage: 1100 Vdc

Input voltage range: 160-1000Vdc

MPPT voltage range (full Load): 280-850 V (for MID 10KTL3-X, MID 12KTL3-X);

420-850 V (for MID 15KTL3-X); 480-850 V (for MID 17KTL3-X, MID 20KTL3-X);

520-850 V (for MID 22KTL3-X, MID 25KTL3-X);

Max. input current: 2x25A (for the models except MID 25KTL3-X),

25/37.5A (for MID 25KTL3-X)

PV Isc: 2x32A (for the models except MID 25KTL3-X), 32/48A (for MID 25KTL3-X)

Nominal output voltage: 3W/N/PE 230V/400Vac

Max. output current: 16.1A (for MID 10KTL3-X); 19.3A (for MID 12KTL3-X);

24.2A (for MID 15KTL3-X); 27.4A (for MID 17KTL3-X); 31.9 A (for MID 20KTL3-X);

35.5A (for MID 22KTL3-X); 40.2 A (for MID 25KTL3-X)

Nominal frequency: 50/60 Hz

Max. output power: 10000W (for MID 10KTL3-X); 12000W (for MID 12KTL3-X);

15000W (for MID 15KTL3-X); 17000W (for MID 17KTL3-X); 20000W (for MID

20KTL3-X); 22000W (for MID 22KTL3-X); 25000W (for MID 25KTL3-X)

Max. apparent power: 11100VA (for MID 10KTL3-X); 13300VA (for MID 12KTL3-X);

16600VA (for MID 15KTL3-X); 18800VA (for MID 17KTL3-X); 22000VA (for MID

20KTL3-X); 24400VA (for MID 22KTL3-X); 27700VA (for MID 25KTL3-X)

Power factor range: 0.8 leading ~ 0.8 lagging

Safety level: Class I

Ingress protection: IP65

Operating temperature range: -25 ~ +60°C

Software Version: TJ1.0