

Certificate of Conformity

Certificate Number: CN-PV-220105

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

Applicant:	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
Product:	PV Grid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	MID 10KTL3-X, MID 12KTL3-X, MID 15KTL3-X, MID 17KTL3-X, MID 20KTL3-X, MID 22KTL3-X, MID 25KTL3-X MID 6KTL3-XL, MID 8KTL3-XL, MID 10KTL3-XL, MID 12KTL3-XL
Brand Name<s>:	Growatt
Product Complies with:	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 Type approval for type B and with deviations according to the national network and interface protection for Portugal, Netherlands, Poland, Turkey and Finland
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	190416198GZU-001, Revision 3: 05 May 2022

According to Annex H of the standard EN 50549-1:2019, generating plants compliant with the clauses of this European Standard are considered to be compliant with the relevant Article of COMMISSION REGULATION (EU) 2016/631, provided, that all settings as provided by the DSO and the responsible party are complied with. Additional information in Appendix.

Signature

Certification Manager: Grady Ye

Date: 23 May 2022



PRD N° 306B

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-220105.

Ratings & Principle Characteristics:

Maximum d.c. input voltage: 1100 Vdc
Input voltage range: 160-1000Vdc (for X series)
160-800Vdc (for XL series)
MPPT voltage range (full Load): 280-650 V (for MID 6KTL3-XL, MID 8KTL3-XL, MID 10KTL3-XL, MID 12KTL3-XL); 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: 2×27A (for MID 6KTL3-XL, MID 8KTL3-XL, MID 10KTL3-XL, MID 12KTL3-XL); 2×27A (for the models except MID 25KTL3-X), 27/40.5A (for MID 25KTL3-X)
PV Isc: 2×33.8A (for MID 6KTL3-XL, MID 8KTL3-XL, MID 10KTL3-XL, MID 12KTL3-XL); 2×33.8A (for the models except MID 25KTL3-X), 33.8/50.7A (for MID 25KTL3-X)
Nominal output voltage: 3W/N/PE 230V/400Vac (for X series)
3W/N/PE 133V/230Vac (for XL series)
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)
16.5A (for MID 6KTL3-XL); 22.1A (for MID 8KTL3-XL); 27.8A (for MID 10KTL3-XL); 33.3A (for MID 12KTL3-XL)
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); 6000W (for MID 6KTL3-XL); 8000W (for MID 8KTL3-XL); 10000W (for MID 10KTL3-XL); 12000W (for MID 12KTL3-XL)
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); 6600 VA (for MID 6KTL3-XL); 8800 VA (for MID 8KTL3-XL); 11100 VA (for MID 10KTL3-XL); 13300 VA (for MID 12KTL3-XL)
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