

Certificate of Conformity

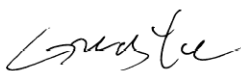
Certificate Number: CN-PV-230012

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:	INVT Solar Technology (Shenzhen) Co., Ltd. 6th Floor, Block A, INVT Guangming Technology Building, Kejie Fourth Road, Shutianpu Community, Matian Guangming District, 518000 Shenzhen, PEOPLE' S REPUBLIC OF CHINA
Product:	Hybrid Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	BD3KTL-LL1, BD3.6KTL-LL1, BD4KTL-LL1, BD4.6KTL-LL1, BD5KTL-LL1
Brand Name<s>:	
Product Complies with:	EN 50549-1: 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 A 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, 2 nd 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>:	221208049GZU-001

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: 10 January 2023



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-230012.

Max. DC voltage: 550V

MPP voltage range: 120-500V

Max. DC short current (input A/ input B): 13.7A/ 13.7A

Max. DC current (input A/ input B): 12.5A/ 12.5A

Max. DC power: 6600W (for BD3KTL-LL1), 7000W (for BD3.6KTL-LL1, BD4KTL-LL1), 8000W (for BD4.6KTL-LL1, BD5KTL-LL1)

Nominal AC voltage, Frequency: 230Vac, 50/60Hz

Max. continuous AC current: 15A (for BD3KTL-LL1), 16A (for BD3.6KTL-LL1), 20A (for BD4KTL-LL1), 25A (for BD4.6KTL-LL1, BD5KTL-LL1)

Nominal AC power (@ $\cos\phi=1$): 3000W (for BD3KTL-LL1), 3600W (for BD3.6KTL-LL1), 4000W (for BD4KTL-LL1), 4600W (for BD4.6KTL-LL1), 5000W (for BD5KTL-LL1)

Power factor at rated power: 1

Adjustable displacement factor range: 0.8 leading – 0.8 lagging

AC input nominal voltage, Frequency: 230Vac, 50/60Hz

AC input max. continuous current: 15A (for BD3KTL-LL1, BD3.6KTL-LL1), 20A (for BD4KTL-LL1), 25A (for BD4.6KTL-LL1, BD5KTL-LL1)

AC input nominal power: 3000W (for BD3KTL-LL1, BD3.6KTL-LL1), 4000W (for BD4KTL-LL1), 4600W (for BD4.6KTL-LL1), 5000W (for BD5KTL-LL1)

EPS nominal voltage, Frequency: 230Vac, 50/60Hz

EPS nominal output power: 3000W

EPS nominal current: 13A

Battery voltage operation voltage: 40 – 60Vdc

Max. charge and discharge current: 66A

Max. charge and discharge power: 3600W

Operating ambient temperature range: -25 to 60°C

Ingress protection: IP65

Protective Class: I

Software Version: AA1.0