Certificate of Conformity

Certificate Number: CN-PVES-250010

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: **Ratings & Principle Characteristics:**	Hybrid Inverter See appendix of Certificate of Conformity
Model:	WIT 4K-HU, WIT 5K-HU, WIT 6K-HU, WIT 8K-HU, WIT 10K-HU, WIT 12K-HU, WIT 15K-HU
Brand Name<s>:	GROWATT
Product Complies with:	EN 50549-1: 2019+A1 2023 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 EN 50549-10:2022, Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units Type approval for type A and B
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>:	240920058GZU-001, 06 Jan. 2025

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 Jan. 2025

PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250010

Model	WIT 4K-HU	WIT 5K-HU	WIT 6K-HU
PV Data			
Max. PV voltage	1000 d.c.V		
PV voltage range	200-750 d.c.V		240-750 d.c.V
Nominal input voltage	600 d.c.V		
PV Isc	50 d.c.A		
Max. input current	40 d.c.A		
Max. PV power	6.4 KW	8 KW	9.6 KW
Number of MPP trackers	1		
AC Data			
Nominal output voltage	3W/N/PE 380/400 a.c.V		
Nominal output Frequency	50/60Hz		
Max. input/output power	8/4 kW	10/5 kW	12/6 kW
Max. input/output apparent power	8.8/4.4 kVA	11/5.5 kVA	13.2/6.6 kVA
Max. input/output current	13.4/6.7 a.c.A	16.7/8.4 a.c.A	20/10 a.c.A
Power factor range	1.0 leading ~ 1.0 lagging		
Load Data			
Nominal output voltage	3W/N/PE 380/400 a.c.V		
Nominal output Frequency	50/60Hz		
Max. output power	4 kW	5 kW	6 kW
Power factor range	1.0 leading ~ 1.0 lagging		
GEN Data			
Nominal output voltage	3W/N/PE 380/400 a.c.V		
Nominal output Frequency	50/60Hz		
Max. output power	8 kW	10 kW	12 kW
Battery Data			
Battery Type	Lithium-ion/VRLA		
Battery voltage range	40-60 d.c.V	42-60 d.c.V	
Max. charging and discharging current	110 d.c.A	125 d.c.A	150 d.c.A
Other Data			
Safety level	Class I		
Ingress Protection	IP66		
Operation ambient temperature	-30°C ~ +60°C (>45°C Derating)		
Software version	TO 1.0		

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250010

Model	WIT 8K-HU	WIT 10K-HU
PV Data		
Max. PV voltage	1000 d.c.V	
PV voltage range	320-750 d.c.V	400-750 d.c.V
Nominal input voltage	600 d.c.V	
PV Isc	25 d.c.A*2	
Max. input current	20 d.c.A*2	
Max. PV power	12.8 KW	16 KW
Number of MPP trackers	2	
AC Data		
Nominal output voltage	3W/N/PE 380/400 a.c.V	
Nominal output Frequency	50/60Hz	
Max. input/output power	16/8 kW	20/10 kW
Max. input/output apparent power	17.6/8.8 kVA	22/11 kVA
Max. output current	26.6/13.3 a.c.A	33.3/16.7 a.c.A
Power factor range	1.0 leading ~ 1.0 lagging	
Load Data		
Nominal output voltage	3W/N/PE 380/400 a.c.V	
Nominal output Frequency	50/60Hz	
Max. output power	8 kW	10 kW
Power factor range	1.0 leading ~ 1.0 lagging	
GEN Data		
Nominal output voltage	3W/N/PE 380/400 a.c.V	
Nominal output Frequency	50/60Hz	
Max. output power	16 kW	20 kW
Battery Data		
Battery Type	Lithium-ion/VRLA	
Battery voltage range	42.6-60 d.c.V	48.4-60 d.c.V
Max. charging and discharging current	200 d.c.A	220 d.c.A
Other Data		
Safety level	Class I	
Ingress Protection	IP66	
Operation ambient temperature	-30°C ~ +60°C (>45°C Derating)	
Software version	TO 1.0	

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250010

Model	WIT 12K-HU	WIT 15K-HU
PV Data		
Max. PV voltage	1000 d.c.V	
PV voltage range	320-750 d.c.V	400-750 d.c.V
Nominal input voltage	600 d.c.V	
PV Isc	25 d.c.A*3	
Max. input current	20 d.c.A*3	
Max. PV power	19.2 KW	24 KW
Number of MPP trackers	3	
AC Data		
Nominal output voltage	3W/N/PE 380/400 a.c.V	
Nominal output Frequency	50/60Hz	
Max. input/output power	24/12 kW	30/15 kW
Max. input/output apparent power	26.4/13.2 kVA	33/16.5 kVA
Max. input/output current	40/20 a.c.A	50.1/25 a.c.A
Power factor range	1.0 leading ~ 1.0 lagging	
Load Data		
Nominal output voltage	3W/N/PE 380/400 a.c.V	
Nominal output Frequency	50/60Hz	
Max. output power	12 kW	15 kW
Power factor range	1.0 leading ~ 1.0 lagging	
GEN Data		
Nominal output voltage	3W/N/PE 380/400 a.c.V	
Nominal output Frequency	50/60Hz	
Max. output power	24 KW	30 KW
Battery Data		
Battery Type	Lithium-ion/VRLA	
Battery voltage range	51-60 d.c.V	55-60 d.c.V
Max. charging and discharging current	250 d.c.A	290 d.c.A
Other Data		
Safety level	Class I	
Ingress Protection	IP66	
Operation ambient temperature	-30°C ~ +60°C (>45°C Derating)	
Software version	TO 1.0	

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