

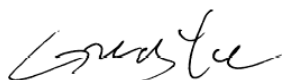
Certificate of Conformity

Certificate Number: CN-PVES-250009

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:	Hybrid Inverter
Ratings & Principle Characteristics:	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:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters
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>:	240920051GZU-001, 06 January 2025 240920051GZU-002, 06 January 2025 240920051GZU-003, 06 January 2025

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 10 January 2025



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250009

Model	WIT 4K-HU	WIT 5K-HU	WIT 6K-HU
PV Data			
Max. Input Voltage	1000 d.c.V		
PV Voltage Range	150~850 d.c.V		
Nominal input voltage	600 d.c.V		
Max. PV Input Current	40 d.c.A		
PV Isc	50 d.c.A		
Max. PV power	6.4 KW	8 KW	9.6 KW
Number of MPP trackers	1		
Battery			
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
AC Data			
Nominal Voltage	3W/N/PE 230/400 a.c.V		
Nominal 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	1.0 leading to 1.0 lagging		
Load Data			
Nominal Voltage	3W/N/PE 230/400 a.c.V		
Nominal Frequency	50/60Hz		
Max. output power	4 kW	5 kW	6 kW
Max. output current	6.1 a.c.A	7.6 a.c.A	9.1 a.c.A
Power factor	1.0 leading to 1.0 lagging		
GEN/Smart Load Data			
Nominal Voltage	3W/N/PE 230/400 a.c.V		
Nominal Frequency	50/60Hz		
Max. input/output power	8 kW	10 kW	12 kW
Max. input/output current	12.1/12.1 a.c.A	15.2/15.2 a.c.A	18.2/18.2 a.c.A
Power factor	1.0 leading to 1.0 lagging		
Others			
Ambient Temperature Range	-30°C ~ +60°C (>45°C Derating)		
Ingress protection rating	IP66		
Safety level	Class I		
Software version	TO 1.0		

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250009

Model	WIT 8K-HU		WIT 10K-HU	WIT 12K-HU	WIT 15K-HU
PV Data					
Max. Input Voltage	1000 d.c.V				
PV Voltage Range	150~850 d.c.V				
Nominal input voltage	600 d.c.V				
PV Isc	25 d.c.A*2		25 d.c.A*3		
Max. PV Input Current	20 d.c.A*2		20 d.c.A*3		
Max. PV power	12.8 KW	16 KW	19.2 KW	24 KW	
Number of MPP trackers	2		3		
Battery					
Battery Type	Lithium-ion/VRLA				
Battery Voltage Range	42.6-60 d.c.V	48.4-60 d.c.V	51-60 d.c.V	55-60 d.c.V	
Max. Charging and Discharging Current	200 d.c.A	220 d.c.A	250 d.c.A	290 d.c.A	
AC Data					
Nominal Voltage	3W/N/PE 230/400 a.c.V				
Nominal Frequency	50/60Hz				
Max. input/output power	16/8 kW	20/10 kW	24/12 kW	30/15 kW	
Max. input/output apparent power	17.6/8.8 kVA	22/11 kVA	26.4/13.2 kVA	33/16.5 kVA	
Max. input/output Current	26.6/13.3 a.c.A	33.3/16.7 a.c.A	40/20 a.c.A	50.1/25 a.c.A	
Power factor	1.0 leading to 1.0 lagging				
Load Data					
Nominal Voltage	3W/N/PE 230/400 a.c.V				
Nominal Frequency	50/60Hz				
Max. output power	8 kW	10 kW	12 kW	15 kW	
Max. output current	12.1 a.c.A	15.2 a.c.A	18.2 a.c.A	22.7 a.c.A	
Power factor	1.0 leading to 1.0 lagging				
GEN/Smart Load Data					
Nominal Voltage	3W/N/PE 230/400 a.c.V				
Nominal Frequency	50/60Hz				
Max. input/output power	16 kW	20 kW	24 KW	30 KW	
Max. input/output current	24.2/24.2 a.c.A	30.3/30.3 a.c.A	36.4/36.4 a.c.A	45.4/45.4 a.c.A	
Power factor	1.0 leading to 1.0 lagging				
Others					
Ambient Temperature Range	-30°C ~ +60°C (>45°C Derating)				
Ingress protection rating	IP66				
Safety level	Class I				
Software version	TO 1.0				

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