

Certificate of Conformity

Certificate Number: CN-PV-230712

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/Storage Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	WIT 50K-H, WIT 63K-H, WIT 75K-H, WIT 100K-H WIT 50K-A, WIT 63K-A, WIT 75K-A, WIT 100K-A WIT 50K-HE, WIT 63K-HE, WIT 75K-HE, WIT 100K-HE WIT 50K-AE, WIT 63K-AE, WIT 75K-AE, WIT 100K-AE WIT 50K-HU, WIT 63K-HU, WIT 75K-HU, WIT 100K-HU WIT 50K-AU, WIT 63K-AU, WIT 75K-AU, WIT 100K-AU
Brand Name<s>:	GROWATT
Product Complies with:	NRS 097-2-1:2017 Edition 2.1 GRID INTERCONNECTION OF EMBEDDED GENERATION PART 2: SMALL-SCALE EMBEDDED GENERATION SECTION 1: UTILITY INTERFACE
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>:	220509110GZU-001, 28 Dec 2023 220509110GZU-002, 28 Dec 2023

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 29 December 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230712.

Model	WIT 100K-H	WIT 100K-HE WIT 100K-HU	WIT 75K-H	WIT 75K-HE WIT 75K-HU
PV input data				
Max. PV voltage	1100 d.c.V			
MPPT voltage range	180V-800 d.c.V			
Max. input current	32 d.c.A*10			
PV Isc	40 d.c.A*10			
AC input/output data				
Rated input/ output power	100 KW	200/100 KW	75 KW	150/75 KW
Max. input/output apparent power	110 KVA	200/110 KVA	82.5 KVA	150/82.5 KVA
Nominal voltage	3W/N/PE 230V/400 a.c.V			
Max. input/output current	166.7 a.c.A	303/166.7 a.c.A	125 a.c.A	227.3/125 a.c.A
Nominal frequency	50 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Backup power				
Rated AC output power	100 KW		75 KW	
Nominal AC output voltage	230V/400 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	167 d.c.A		125 d.c.A	
Type of battery	Lithium-ion			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
Software version	T01.0			

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Model	WIT 63K-H	WIT 63K-HE WIT 63K-HU	WIT 50K-H	WIT 50K-HE WIT 50K-HU
PV input data				
Max. PV voltage	1100 d.c.V			
MPPT voltage range	180V-800 d.c.V			
Max. input current	32 d.c.A*8		32 d.c.A*7	
PV Isc	40 d.c.A*8		40 d.c.A*7	
AC input/output data				
Rated input/ output power	63 KW	126/63 KW	50 KW	100/50 KW
Max. input/output apparent power	69.3 KVA	126/69.3 KVA	55 KVA	100/55 KVA
Nominal voltage	3W/N/PE 230V/400 a.c.V			
Max. input/output current	105 a.c.A	190.9/105 a.c.A	83.3 a.c.A	151.5/83.3 a.c.A
Nominal frequency	50 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Backup power				
Rated AC output power	63 KW		50 KW	
Nominal AC output voltage	230V/400 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	105 d.c.A		83.3 d.c.A	
Type of battery	Lithium-ion			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
Software version	TO1.0			

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Model	WIT 100K-A	WIT 100K-AE WIT 100K-AU	WIT 75K-A	WIT 75K-AE WIT 75K-AU
AC input/output data				
Rated input/ output power	100 KW	200/100 KW	75 KW	150/75 KW
Max. input/output apparent power	110 KVA	200/110 KVA	82.5 KVA	150/82.5 KVA
Nominal voltage	3W/N/PE 230V/400 a.c.V			
Max. input/output current	166.7 a.c.A	303/166.7 a.c.A	125 a.c.A	227.3/125 a.c.A
Nominal frequency	50 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Backup power				
Rated AC output power	100 KW		75 KW	
Nominal AC output voltage	230V/400 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	167 d.c.A		125 d.c.A	
Type of battery	Lithium-ion			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
Software version	TO1.0			

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Model	WIT 63K-A	WIT 63K-AE WIT 63K-AU	WIT 50K-A	WIT 50K-AE WIT 50K-AU
AC input/output data				
Rated input/ output power	63 KW	126/63 KW	50 KW	100/50 KW
Max. input/output apparent power	69.3 KVA	126/69.3 KVA	55 KVA	100/55 KVA
Nominal voltage	3W/N/PE 230V/400 a.c.V			
Max. input/output current	105 a.c.A	190.9/105 a.c.A	83.3 a.c.A	151.5/83.3 a.c.A
Nominal frequency	50 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Backup power				
Rated AC output power	63 KW		50 KW	
Nominal AC output voltage	230V/400 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	105 d.c.A		83.3 d.c.A	
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