

Certificate of Conformity

Certificate Number: CN-PV-230138

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/AC Coupled 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:	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
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>:	220509115GZU-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: 31 March 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230138.

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			
PV 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			
Stand alone data				
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			
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-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			
PV 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			
Stand alone data				
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			
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			
Stand alone data				
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			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
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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			
Stand alone data				
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			
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