

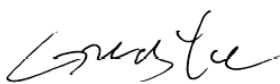
Certificate of Conformity

Certificate Number: CN-PVES-260055

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 29.9K-XHU, WIT 30K-XHU, WIT 36K-XHU, WIT 40K-XHU, WIT 50K-XHU, WIT 29.9K-XHU2, WIT 30K-XHU2, WIT 36K-XHU2
Brand Name<s>:	GROWATT
Product Complies with:	EN 50549-1:2019+A1:2023 EN 50549-10:2022
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>:	250506118GZU-001, January 26, 2026

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 12 Feb. 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260055

Model	WIT 29.9K-XHU WIT 29.9K-XHU2	WIT 30K-XHU WIT 30K-XHU2	WIT 36K-XHU WIT 36K-XHU2
PV input data			
Max. PV voltage	1100 d.c.V		
Operated voltage range	180V-1000 d.c.V		
Max. input current per MPPT	40 d.c.A		
PV Isc per MPPT	50 d.c.A		
Number of MPP trackers	3(for model with “XHU2”) 4(for model with “XHU”)		
Max. input number per MPP tracker	2		
AC input/output data			
Rated input/ output power	59.8/29.9 KW	60/30 KW	72/36 KW
Max. input/output apparent power	59.8/29.9 KVA	66/33 KVA	79.2/39.6 KVA
Nominal voltage	3W/N/PE 230V/400 a.c.V		
Max. input/output current	86.6/43.3a.c.A	95.7/47.8a.c.A	114.8/57.4a.c.A
Nominal frequency	50/60 Hz		
Power factor range	1.0 Leading – 1.0 lagging		
Backup power			
Rated AC output power	29.9 KW	30.0 KW	36 KW
Nominal AC output voltage	220V/380 a.c.V 230V/400 a.c.V		
Nominal AC output frequency	50/60 Hz		
Battery data			
Battery voltage range	200V-900 d.c.V		
Max. number of battery input	2(for model with “XHU2”) 3(for model with “XHU”)		
Max. charging and discharging current	55*2 d.c.A(for model with “XHU2”) 55*3 d.c.A(for model with “XHU”)		
Type of battery	Lithium-ion		
Others			
Ingress protection	IP66		
Operation ambient temperature	-30°C - +60°C		
Software version	YC1.0		

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Model	WIT 40K-XHU	WIT 50K-XHU
PV input data		
Max. PV voltage	1100 d.c.V	
Operated voltage range	180V-1000 d.c.V	
Max. input current per MPPT	40 d.c.A	
PV Isc per MPPT	50 d.c.A	
Number of MPP trackers	4	
Max. input number per MPP tracker	2	
AC input/output data		
Rated input/ output power	80/40 KW	100/50 KW
Max. input/output apparent power	88/44 KVA	110/55 KVA
Nominal voltage	3W/N/PE 230V/400 a.c.V	
Max. input/output current	127.5/63.8a.c.A	159.4/79.7a.c.A
Nominal frequency	50/60 Hz	
Power factor range	1.0 Leading – 1.0 lagging	
Backup power		
Rated AC output power	40 KW	50 KW
Nominal AC output voltage	220V/380 a.c.V 230V/400 a.c.V	
Nominal AC output frequency	50/60 Hz	
Battery data		
Battery voltage range	200V-900 d.c.V	
Max. number of battery input	3	
Max. charging and discharging current	55*3 d.c.A	
Type of battery	Lithium-ion	
Others		
Ingress protection	IP66	
Operation ambient temperature	-30℃ - +60℃	
Software version	YC1.0	

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Interface protection settings according to EN 50549-1			
Parameter	Max. disconnection time	Min. operate time	Trip value
Undervoltage threshold stage 1 [27 <]	100s	0.1s (0.1 s steps)	Trip value Config. from 0.2 to 1 Un (0.01 Un steps)
Undervoltage threshold stage 2 [27 <<]	5s	0.1s (0.05 s steps)	Trip value Config. from 0.2 to 1 Un (0.01 Un steps)
Overvoltage threshold stage 1 [59 >]	100s	0.1s (0.1 s steps)	Trip value Config. from 1.0 to 1.2 Un (0.01 Un steps)
Overvoltage threshold stage 2 [59 >>]	5s	0.1s (0.05 s steps)	Trip value Config. from 1.0 to 1.3 Un (0.01 Un steps)
Overvoltage 10 min mean protection	Trip time Config ≤ 3s not adjustable Time delay setting = 0 ms		Trip value Config. from 1.0 to 1.15Un (0.01 Un steps)
Underfrequency threshold stage 1 [81 <]	100s	0.1s (0.1s steps)	Trip value Config. from 47.0 to 50.0Hz (0.1Hz steps)
Underfrequency threshold stage 2 [81 <<]	5s	0.1s (0.05 s steps)	Trip value Config. from 47.0 to 50.0Hz (0.1Hz steps)
Overfrequency threshold stage 1 [81 >]	100s	0.1s (0.1s steps)	Trip value Config. from 50.0 to 52.0Hz (0.1Hz steps)
Overfrequency threshold stage 2 [81 >>]	5s	0.1s (0.05 s steps)	Trip value Config. from 50.0 to 52.0Hz (0.1Hz steps)
Starting to and reconnection settings for voltage	50%-120% adjustable, 85%Un ≤ U ≤ 1.10Un default		
Starting to generate electrical power	47Hz – 52Hz adjustable, 49.5Hz ≤ U ≤ 50.1Hz default		
Reconnection settings for frequency	47Hz – 52Hz adjustable, 49.5Hz ≤ U ≤ 50.2Hz default		
Observation time	10s-60s adjustable, 60s default		
Active power increase gradient	6%-3000%/min adjustable, 10%/min default		
Permanent DC injection	0.5% of rated inverter output		
Loss of mains according to EN 62116	Within 2s		

According to Annex H of the standard EN 50549-1, 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.

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