

Certificate of Conformity

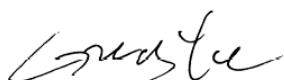
Certificate Number: CN-PVES-250300

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:	PV Grid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	MIC 600TL-X, MIC 750TL-X, MIC 800TL-X, MIC 1000TL-X, MIC 1500TL-X, MIC 2000TL-X, MIC 2500TL-X, MIC 3000TL-X, MIC 3300TL-X, MIC 600TL-X2, MIC 750TL-X2, MIC 800TL-X2, MIC 1000TL-X2, MIC 1500TL-X2, MIC 2000TL-X2, MIC 2500TL-X2, MIC 3000TL-X2, MIC 3300TL-X2.
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, 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>:	250506112GZU-001, July 22, 2025

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.

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 30 July 2025



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250300

Model	MIC 600TL-X	MIC 750TL-X	MIC 800TL-X	MIC 1000TL-X
Input				
Max. DC input Voltage:	500Vdc			
Max. input current:	13A			
PV Isc	16A			
DC input range:	50-500Vdc			
Output				
Nominal AC output voltage:	230Vac			
Nominal frequency:	50Hz			
Nominal output power:	600W	750W	800W	1000W
Max apparent power	600VA	750VA	800VA	1000VA
Max AC output current:	2.9A	3.6A	3.8A	4.8A
Power factor:	0.8 Leading to 0.8 Lagging			
Ingress protection:	IP65			
Protection Class:	Class I			
Operation Ambient Temp	-25°C to +60°C			
Software Version	GH1.0			

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Model	MIC 1500TL-X	MIC 2000TL-X	MIC 2500TL-X	MIC 3000TL-X	MIC 3300TL-X
Input					
Max. DC input Voltage:	500Vdc		550Vdc		
Max. input current:	13A				
PV Isc	16A				
DC input range:	50-500Vdc		65-550Vdc		
Output					
Nominal AC output voltage:	230Vac				
Nominal frequency:	50Hz				
Nominal output power:	1500W	2000W	2500W	3000W	3300W
Max apparent power	1500VA	2000VA	2500VA	3000VA	3300VA
Max AC output current:	7.1A	9.5A	11.9A	14.3A	14.3A
Power factor:	0.8 Leading to 0.8 Lagging				
Ingress protection:	IP65				
Protection Class:	Class I				
Operation Ambient Temp	-25°C to +60°C				
Software Version	GH1.0				

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Model	MIC 600TL-X2	MIC 750TL-X2	MIC 800TL-X2	MIC 1000TL-X2	MIC 1500TL-X2
Input					
Max. DC input Voltage	500Vdc				
DC input range	50-500Vdc				
Max. input current	16A				
Max. short-circuit current	24A				
Output					
Nominal AC output voltage	230Vac				
Nominal frequency	50Hz				
Nominal output power:	600W	750W	800W	1000W	1500W
Max apparent power	600VA	750VA	800VA	1000VA	1500VA
Max AC output current	2.9A	3.6A	3.8A	4.8A	7.1A
Power factor	0.8 Leading to 0.8 Lagging				
Ingress protection	IP66				
Protection Class	Class I				
Operation Ambient Temp	-30°C to +60°C				
Software Version	GH1.0				

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Model	MIC 2000TL-X2	MIC 2500TL-X2	MIC 3000TL-X2	MIC 3300TL-X2
Input				
Max. DC input Voltage	500Vdc	550Vdc		
DC input range	50-500Vdc	50-550Vdc		
Max. input current	16A			
Max. short-circuit current	24A			
Output				
Nominal AC output voltage	230Vac			
Nominal frequency	50Hz			
Nominal output power:	2000W	2500W	3000W	3300W
Max apparent power	2000VA	2500VA	3000VA	3300VA
Max AC output current	9.5A	11.9A	14.3A	14.3A
Power factor	0.8 Leading to 0.8 Lagging			
Ingress protection	IP66			
Protection Class	Class I			
Operation Ambient Temp	-30°C to +60°C			
Software Version	GH1.0			

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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		

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