Certificate of Conformity

Certificate Number: CN-PV-210044R1

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 & Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	MIN 2500TL-X, MIN 3000TL-X, MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X, MIN 2500TL-X2, MIN 3000TL-X2, MIN 3600TL-X2, MIN 4200TL-X2, MIN 4600TL-X2, MIN 5000TL-X2, MIN 6000TL-X2, MIN 2500TL-XE, MIN 3000TL-XE, MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE, MIN 2500TL-XE2, MIN 3000TL-XE2, MIN 3600TL-XE2, MIN 4200TL-XE2, MIN 4600TL-XE2, MIN 5000TL-XE2, MIN 6000TL-XE2, MIN 2500TL-XH, MIN 3000TL-XH, MIN 3600TL-XH, MIN 4200TL-XH, MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH, MIN 2500TL-XH2, MIN 3000TL-XH2, MIN 3600TL-XH2, MIN 4200TL-XH2, MIN 4600TL-XH2, MIN 5000TL-XH2, MIN 6000TL-XH2
Brand Name<s>:	GROWATT
Product Complies with:	C10/11: ed.2.2:2021 SPECIFIC TECHNICAL PRESCRIPTIONS REGARDING POWER-GENERATING PLANTS OPERATING IN PARALLEL TO THE DISTRIBUTION NETWORK
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>:	230403058GZU-006

Replaces certificate CN-PV-210044 dated 19 March 2021

Additional information in Appendix.

Signature

Certification Manager: Grady Ye
Date: 27 July 2023

PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210044R1

Model	MIN 2500TL-X	MIN 3000TL-X	MIN 3600TL-X	MIN 4200TL-X	MIN 4600TL-X	MIN 5000TL-X	MIN 6000TL-X
Max.PV voltage	500 d.c.V		550 d.c.V				
PV voltage range	80-500 d.c.V		80-550 d.c.V				
PV Isc	16.9 d.c.A*2						
Max.input current	13.5 d.c.A*2						
Max.output power	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Max.apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V						
Max.output current	11.3 a.c.A	13.6 a.c.A	16 a.c.A	19 a.c.A	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz						
Power factor range	0.8Leading – 0.8 lagging						
Safety level	Class I						
Ingress Protection	IP 65						
Operation Ambient Temperature	-25℃ - +60℃						
Software version	AK 1.0						

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210044R1

Model	MIN 2500TL-X2	MIN 3000TL-X2	MIN 3600TL-X2	MIN 4200TL-X2	MIN 4600TL-X2	MIN 5000TL-X2	MIN 6000TL-X2
Max.PV voltage	500 d.c.V		550 d.c.V				
PV voltage range	40-500 d.c.V		40-550 d.c.V				
PV Isc	24 d.c.A*2						
Max.input current	16 d.c.A*2						
Max.output power	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Max.apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V						
Max.output current	11.3 a.c.A	13.6 a.c.A	16 a.c.A	19 a.c.A	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz						
Power factor range	0.8Leading – 0.8 lagging						
Safety level	Class I						
Ingress Protection	IP 66						
Operation Ambient Temperature	-30℃ - +60℃						
Software version	AK 1.0						

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210044R1

Model	MIN 2500TL-XH MIN 2500TL-XE	MIN 3000TL-XH MIN 3000TL-XE	MIN 3600TL-XH MIN 3600TL-XE	MIN 4200TL-XH MIN 4200TL-XE	MIN 4600TL-XH MIN 4600TL-XE	MIN 5000TL-XH MIN 5000TL-XE	MIN 6000TL-XH MIN 6000TL-XE
Max.PV voltage	500 d.c.V		550 d.c.V				
PV voltage range	70-500 d.c.V		70-550 d.c.V				
PV Isc	16.9 d.c.A*2						
Max.input current	13.5 d.c.A*2						
Max. DC voltage	500 d.c.V (only for MIN 2500TL-XH, MIN 3000TL-XH)		550 d.c.V (only for MIN 3600TL-XH, MIN 4200TL-XH, MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)				
DC voltage range	360-500 d.c.V (only for MIN 2500TL-XH, MIN 3000TL-XH)		360-550 d.c.V (only for MIN 3600TL-XH, MIN 4200TL-XH, MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)				
Max. DC current	17 d.c.A (only for MIN 2500TL-XH, MIN 3000TL-XH, MIN 3600TL-XH, MIN 4200TL-XH, MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)						
Max.output power	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Max.apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V						
Max.output current	11.3 a.c.A	13.6 a.c.A	16 a.c.A	19 a.c.A	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz						
Power factor range	0.8Leading – 0.8 lagging						
Safety level	Class I						
Ingress Protection	IP 65						
Operation Ambient Temperature	-25℃ - +60℃						
Software version	AL 1.0						

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210044R1

Model	MIN 2500TL-XH2 MIN 2500TL-XE2	MIN 3000TL-XH2 MIN 3000TL-XE2	MIN 3600TL-XH2 MIN 3600TL-XE2	MIN 4200TL-XH2 MIN 4200TL-XE2	MIN 4600TL-XH2 MIN 4600TL-XE2	MIN 5000TL-XH2 MIN 5000TL-XE2	MIN 6000TL-XH2 MIN 6000TL-XE2
Max.PV voltage	500 d.c.V		550 d.c.V				
PV voltage range	40-500 d.c.V		40-550 d.c.V				
PV Isc	24 d.c.A*2						
Max.input current	16 d.c.A*2						
Max. DC voltage	500 d.c.V (only for MIN 2500TL-XH2, MIN 3000TL-XH2)		550 d.c.V (only for MIN 3600TL-XH2, MIN 4200TL-XH2, MIN 4600TL-XH2, MIN 5000TL-XH2, MIN 6000TL-XH2)				
DC voltage range	360-500 d.c.V (only for MIN 2500TL-XH2, MIN 3000TL-XH2)		360-550 d.c.V (only for MIN 3600TL-XH2, MIN 4200TL-XH2, MIN 4600TL-XH2, MIN 5000TL-XH2, MIN 6000TL-XH2)				
Max. DC current	17 d.c.A (only for MIN 2500TL-XH2, MIN 3000TL-XH2, MIN 3600TL-XH2, MIN 4200TL-XH2, MIN 4600TL-XH2, MIN 5000TL-XH2, MIN 6000TL-XH2)						
Max.output power	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Max.apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V						
Max.output current	11.3 a.c.A	13.6 a.c.A	16 a.c.A	19 a.c.A	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz						
Power factor range	0.8Leading – 0.8 lagging						
Safety level	Class I						
Ingress Protection	IP 66						
Operation Ambient Temperature	-30℃ - +60℃						
Software version	AL 1.0						

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