

# Certificate of Conformity

Certificate Number: CN-PV-210070

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.

<b>Applicant:</b>	Shenzhen Growatt New Energy Co., Ltd. 2F and 3F, Building 4, Jiayu Company Industrial Park, Xibianling, Shangyu Village, Shiyan Street, Bao'an District, Shenzhen, China
<b>Product:</b>	PV Grid inverter & Hybrid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	MIN 2500TL-X, MIN 3000TL-X, MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X MIN 2500TL-XE, MIN 3000TL-XE, MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE MIN 2500TL-XH, MIN 3000TL-XH, MIN 3600TL-XH, MIN 4200TL-XH, MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Tested according to:</b>	IEC 61727:2004 Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014 Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
<b>Test Report No.&lt;s&gt;:</b>	181016146GZU-001 and Revision 2: 15 Apr 2021 181016146GZU-002 and Revision 2: 15 Apr 2021

Additional information in Appendix.



**Signature**

**Certification Manager: Grady Ye**  
**Date: 23 April 2021**

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210070

Model	MIN 2500TL-X	MIN 3000TL-X	MIN 3600TL-X	MIN 4200TL-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
Max.apparent power	2500VA	3000VA	3600VA	4200VA
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
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 °C - +60 °C			
Software version	AK 1.0			

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Model	MIN 4600TL-X	MIN 5000TL-X	MIN 6000TL-X
Max.PV voltage	550 d.c.V		
PV voltage range	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	4600W	5000W	6000W
Max.apparent power	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V		
Max.output current	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°C - +60°C		
Software version	AK 1.0		

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Model	MIN 2500TL-XH MIN 2500TL-XE	MIN 3000TL-XH MIN 3000TL-XE	MIN 3600TL-XH MIN 3600TL-XE	MIN 4200TL-X HMIN 4200TL-XE
Max.PV voltage	500 d.c.V		550 d.c.V	
PV voltage range	80-500 d.c.V (only for MIN 2500TL-XE, MIN 3000TL-XE) 70-500 d.c.V (only for MIN 2500TL-XH, MIN 3000TL-XH)		80-550 d.c.V (only for MIN 3600TL-XE, MIN 4200TL-XE) 70-550 d.c.V (only for MIN 3600TL-XH, MIN 4200TL-XH)	
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)	
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)	
Max. DC current	17 d.c.A (only for MIN 2500TL-XH, MIN 3000TL-XH, MIN 3600TL-XH, MIN 4200TL-XH)			
Max.output power	2500W	3000W	3600W	4200W
Max.apparent power	2500VA	3000VA	3600VA	4200VA
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
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°C - +60°C			
Software version	AL 1.0			

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Model	MIN 4600TL-XH MIN 4600TL-XE	MIN 5000TL-XH MIN 5000TL-XE	MIN 6000TL-XH MIN 6000TL-XE
Max.PV voltage	550 d.c.V		
PV voltage range	80-550 d.c.V (only for MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE) 70-550 d.c.V (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
PV Isc	16.9 d.c.A*2		
Max.input current	13.5 d.c.A*2		
Max. DC voltage	550 d.c.V (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
DC voltage range	360-550 d.c.V (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
Max. DC current	17 d.c.A (only for MIN 4600TL-XH, MIN 5000TL-XH, MIN 6000TL-XH)		
Max.output power	4600W	5000W	6000W
Max.apparent power	4600VA	5000VA	6000VA
Nominal output voltage	230 a.c.V		
Max.output current	20.9 a.c.A	22.7 a.c.A	27.2 a.c.A
Nominal output Frequency	50/60Hz		
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