


# Certificate of Conformity

Certificate Number: CN-PVES-240129

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 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
<b>Product:</b>	PV Grid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	MOD 3000TL3-X, MOD 4000TL3-X, MOD 5000TL3-X, MOD 6000TL3-X, MOD 7000TL3-X, MOD 8000TL3-X, MOD 9000TL3-X, MOD 10KTL3-X, MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X MOD 3000TL3-X2(Pro), MOD 4000TL3-X2(Pro), MOD 5000TL3-X2(Pro), MOD 6000TL3-X2(Pro), MOD 7000TL3-X2(Pro), MOD 8000TL3-X2(Pro), MOD 9000TL3-X2(Pro), MOD 10KTL3-X2(Pro), MOD 11KTL3-X2(Pro), MOD 12KTL3-X2(Pro), MOD 13KTL3-X2(Pro), MOD 15KTL3-X2(Pro)
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	IEC TS 62910:2020 Utility-interconnected photovoltaic inverters – Test procedure for under voltage ride-through measurements
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
<b>Test Report No.&lt;s&gt;:</b>	240126003GZU-001, 11 April 2024

Additional information in Appendix.



Signature

**Certification Manager: Grady Ye**

**Date: 17 April 2024**

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240129

Model	MOD 3000TL3-X	MOD 4000TL3-X	MOD 5000TL3-X	MOD 6000TL3-X
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A			
Max. input current	2*13A			
Max. output power	3000W	4000W	5000W	6000W
Max. apparent power	3300VA	4400VA	5500VA	6600VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	5.0A	6.7A	8.3A	10.0A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25°C - +60°C			
Software version	DL 1.0			

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Model	MOD 7000TL3-X	MOD 8000TL3-X	MOD 9000TL3-X	MOD 10KTL3-X
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A			
Max. input current	2*13A			
Max. output power	7000W	8000W	9000W	10000W
Max. apparent power	7700VA	8800VA	9900VA	11000VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	11.7A	13.3A	15.0A	16.7A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25°C - +60°C			
Software version	DL 1.0			

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Model	MOD 11KTL3-X	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A	16/32A		
Max. input current	2*13A	13/26A		
Max. output power	11000W	12000W	13000W	15000W
Max. apparent power	12100VA	13200VA	14300VA	16500VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	18.3A	20.0A	21.7A	25.0A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25°C - +60°C			
Software version	DL 1.0			

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Model	MOD 3000TL3-X2(Pro)	MOD 4000TL3-X2(Pro)	MOD 5000TL3-X2(Pro)	MOD 6000TL3-X2(Pro)	MOD 7000TL3-X2(Pro)	MOD 8000TL3-X2(Pro)
Max. DC voltage	1100V					
MPP voltage range	140-1000V					
Full-load voltage range	250-850V				300-850V	
No. of MPP trackers	2					
No. of PV strings per MPP trackers	1/1					
Max. input current per MPP trackers	20A/20A					
Max. short-circuit current per MPP trackers	25A/25A					
AC rated power	3kW	4kW	5kW	6kW	7kW	8kW
Max. AC apparent power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	7.7kVA	8.8kVA
Nominal AC voltage	3W/N/PE,220V/380V; 230V/400V					
AC grid frequency	50/60 Hz					
Max. output current	5.0A	6.7A	8.3A	10.0A	11.7A	13.3A
Adjustable power factor	0.8Leading ...0.8Lagging					
Operating temperature range	-25°C ... +60°C (>45°C Derating)				-25°C ... +60°C (>40°C Derating)	
Protection degree	IP66					
Software Version	DL1.0					

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Model	MOD 9000TL3-X2(Pro)	MOD 10KTL3-X2(Pro)	MOD 11KTL3-X2(Pro)	MOD 12KTL3-X2(Pro)	MOD 13KTL3-X2(Pro)	MOD 15KTL3-X2(Pro)
Max. DC voltage	1100V					
MPP voltage range	140-1000V					
Full-load voltage range	350-850V		400-850V		500-850V	
No. of MPP trackers	2					
No. of PV strings per MPP trackers	1/1					
Max. input current per MPP trackers	20A/20A					
Max. short-circuit current per MPP trackers	25A/25A					
AC rated power	9kW	10kW	11kW	12kW	13kW	15kW
Max. AC apparent power	9.9kVA	11kVA	12.1kVA	13.2kVA	14.3kVA	16.5kVA
Nominal AC voltage	3W/N/PE,220V/380V; 230V/400V					
AC grid frequency	50/60 Hz					
Max. output current	15.0A	16.0A	18.3A	20.0A	21.7A	25.0A
Adjustable power factor	0.8Leading ...0.8Lagging					
Operating temperature range	-25°C ... +60°C (>40°C Derating)					
Protection degree	IP66					
Software Version	DL1.0					

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