

# Certificate of Conformity

Certificate Number: CN-PV-190029

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer 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 Technology CO.,Ltd 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen, P. R. China
<b>Product:</b>	PV Grid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See Appendix to Certificate of Conformity
<b>Models:</b>	MID 10KTL3-X, MID 12KTL3-X, MID 15KTL3-X, MID 17KTL3-X, MID 20KTL3-X, MID 22KTL3-X, MID 25KTL3-X
<b>Brand Name:</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 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China
<b>Test Reports No:</b>	190416203GZU-001, 190416203GZU-002

Additional information in Appendix.



**Signature**

**Certification Manager: Grady Ye**

**Date: 12 October 2019**

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190029.

### Ratings & Principle Characteristics:

Maximum d.c. input voltage: 1100 Vdc  
Input voltage range: 160-1000Vdc  
MPPT voltage range (full Load): 280-850 V (for MID 10KTL3-X, MID 12KTL3-X); 420-850 V (for MID 10KTL3-X, MID 12KTL3-X, MID 15KTL3-X); 480-850 V (for MID 17KTL3-X, MID 20KTL3-X); 520-850 V (for MID 22KTL3-X, MID 25KTL3-X);  
Max. input current: 2×25A (for the models except MID 25KTL3-X), 25/37.5A (for MID 25KTL3-X)  
PV Isc: 2×32A (for the models except MID 25KTL3-X), 32/48A (for MID 25KTL3-X)  
Nominal output voltage: 3W/N/PE 230V/400Vac  
Max. output current: 16.1A (for MID 10KTL3-X); 19.3A (for MID 12KTL3-X); 24.2A (for MID 15KTL3-X); 27.4A (for MID 17KTL3-X); 31.9 A (for MID 20KTL3-X); 35.5A (for MID 22KTL3-X); 40.2 A (for MID 25KTL3-X)  
Nominal frequency: 50/60 Hz  
Max. output power: 10000W (for MID 10KTL3-X); 12000W (for MID 12KTL3-X); 15000W (for MID 15KTL3-X); 17000W (for MID 17KTL3-X); 20000W (for MID 20KTL3-X); 22000W (for MID 22KTL3-X); 25000W (for MID 25KTL3-X)  
Max. apparent power: 11100VA (for MID 10KTL3-X); 13300VA (for MID 12KTL3-X); 16600VA (for MID 15KTL3-X); 18800VA (for MID 17KTL3-X); 22000VA (for MID 20KTL3-X); 24400VA (for MID 22KTL3-X); 27700VA (for MID 25KTL3-X)  
Power factor range: 0.8 leading ~ 0.8 lagging  
Safety level: Class I  
Ingress protection: IP65  
Operating temperature range: -25 ~ +60°C  
Software Version: TJ1.0