Certificate of Conformity

Certificate Number: CN-PV-230372

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:	Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	MID 12KTL3-XH, MID 13KTL3-XH, MID 15KTL3-XH, MID 17KTL3-XH, MID 20KTL3-XH, MID 25KTL3-XH, MID 30KTL3-XH MID 12KTL3-XA, MID 13KTL3-XA, MID 15KTL3-XA, MID 17KTL3-XA, MID 20KTL3-XA, MID 25KTL3-XA, MID 30KTL3-XA
Brand Name<s>:	GROWATT
Product Complies with:	G99 Issue 1 Amendment 9, 3 October 2022 Requirements for the connection of generation equipment in parallel with public distribution networks
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>:	230315053GZU-001

Additional information in Appendix.

Signature

Certification Manager: Grady Ye
Date: 28 June 2023

PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230372.

Model	MID 12KTL3-XH/XA	MID 13KTL3-XH/XA	MID 15KTL3-XH/XA	MID 17KTL3-XH/XA	MID 20KTL3-XH/XA	MID 25KTL3-XH/XA	MID 30KTL3-XH/XA
PV data (NA for MID 12-30KTL3-XA series)							
Max. DC voltage	1100Vdc						
MPP voltage range	160-1000Vdc						
Full Load MPP voltage range	335V-800Vdc						
No. of MPP trackers	2/2					2/2/2	
Max. input current per MPP trackers [A]	32A/32A					32A/32A/32A	
Max. short-circuit current per MPP trackers [A]	40A/40A					40A/40A/40A	
DC data							
Max. DC Voltage	1100Vdc						
DC voltage range	600-980Vdc						
Max. DC current	25A*2						
Max.input/output power	30kW/ 12kW	30kW/ 13kW	30kW/ 15kW	30kW/ 17kW	30kW/ 20kW	30kW/ 25kW	30kW/ 30kW
AC rated power [kW]	12	13	15	17	20	25	30
Max. AC apparent power [kVA] for "-XH" series	13.2	14.3	16.5	18.7	22.0	27.5	30.0
Max. AC apparent power [kVA] for "-XA" series	12	13	15	17	20	25	30
Rated AC voltage	3W/N/PE, 230V/400V						
AC grid frequency	50Hz						
Max. output current [A] for "-XH" series	20.0	21.7	25.0	28.3	33.3	41.6	45.5
Max. output current [A] for "-XA" series	18.2	19.7	22.7	25.8	30.3	37.9	45.5
Adjustable power factor	0.8Leading ...0.8Lagging						
Operating temperature range	–25°C ... +60°C (>45°C Derating)						
Protection degree	IP66						
Software Version	DN1.0						

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