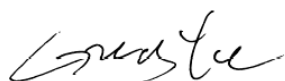


Certificate of Conformity

Certificate Number: CN-PVES-230076R2

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.

Applicant Name & Address:	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
Product Description:	PV Grid inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	MID 6KTL3-XL2, MID 8KTL3-XL2, MID 10KTL3-XL2, MID 11KTL3-XL2, MID 12KTL3-XL2, MID 15KTL3-XL2, MID 17KTL3-XL2, MID 20KTL3-XL2, MID 22KTL3-XL2, MID 25KTL3-XL2, MID 17KTL3-X2, MID 20KTL3-X2, MID 25KTL3-X2, MID 30KTL3-X2, MID 30KTL3-X2-1, MID 33KTL3-X2, MID 36KTL3-X2, MID 40KTL3-X2, MID 50KTL3-X2, MID 20KTL3-X2(K1), MID 20KTL3-X2(K2), MID 36KTL3-X2 (K1), MID 36KTL3-X2 (K2), MID 50KTL3-X2(K1), MID 50KTL3-X2(K2)
Brand Name:	GROWATT
Specification/Standard:	IEC/EN 62109-1:2010 (First Edition) Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements IEC/EN 62109-2:2011 Safety of Power Converter for use in Photovoltaic Power Systems Part 2: Particular requirements for inverters
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Test Report Number:	Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012 240621026GZU-001 Revision 1: 10 Dec 2024, 240621026GZU-002 Revision 1: 10 Dec 2024
Replaces certificate CN-PVES-230076R1 dated 25 June 2024	
Additional information in Appendix.	



Signature

Certification Manager: Grady Ye

Date: 12 Dec. 2024



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-230076R2

Model	MID 6KTL3- XL2	MID 8KTL3- XL2	MID 10KTL3- XL2	MID 11KTL3- XL2	MID 12KTL3- XL2	MID 15KTL3- XL2	MID 17KTL3- XL2	MID 20KTL3- XL2	MID 22KTL3- XL2	MID 25KTL3- XL2
Max. DC voltage	800V									
MPP voltage range	200-800V									
Full-load voltage range	200-650V									
No. of MPP trackers	2					4				
No. of PV strings per MPP trackers	2/2					2/2/2/2				
Max. input current per MPP trackers	32/36					32/32/32/32				
Max. short-circuit current per MPP trackers	40/45					40/40/40/40				
AC rated power	6000W	8000W	10000W	11000W	12000W	15000W	17000W	20000W	22000W	25000W
Max. AC apparent power	6600V A	8800V A	11100V A	12200V A	13300V A	16600V A	18800V A	22200V A	24400V A	27700V A
Nominal AC voltage	3W+PE, 3W/N/PE, 127V/220V; 133V/230V									
AC grid frequency	50/60 Hz									
Rated AC output current@127 V	15.7A	21.0A	26.2A	28.9A	31.5A	39.4A	44.6A	52.5A	57.7A	65.6A
Rated AC output current@133 V	15.0A	20.1A	25.1A	27.6A	30.1A	37.6A	42.6A	50.1A	55.1A	62.7A
Max. output current	17.5A	23.3A	29.2A	32.1A	35.0A	43.7A	49.6A	58.3A	64.2A	72.9A
Adjustable power factor	0.8Leading ...0.8Lagging									
Operating temperature range	-25°C ... +60°C (>45°C Derating)									
Protection degree	IP66									
Software Version	DM1.0									

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-230076R2

Model	MID 17KTL3- X2	MID 20KTL3- X2	MID 25KTL3- X2	MID 30KTL3- X2	MID 30KTL3- X2-1	MID 33KTL3- X2	MID 36KTL3- X2	MID 40KTL3- X2	MID 50KTL3- X2
Max. DC voltage	1100Vdc								
MPP voltage range	200-1000Vdc								
Full Load MPP voltage range	420-850Vdc		480-850Vdc		400-850Vdc			450-850Vdc	
No. of MPP trackers	2				3			4	
No. of PV strings per MPP trackers	2/2			2/3	2/2/2			2/2/2/2	
Max. input current per MPP trackers [A]	32/32		32/36	32/48	32/32/32			32/32/32/32	
Max. short-circuit current per MPP trackers [A]	40/40		40/45	40/60	40/40/40			40/40/40/40	
AC rated power [KW]	17	20	25	30	30	33	36	40	50
Max. AC apparent power [KVA]	18.8	22.2	27.7	33.3	30.0	36.6	40.0	44.4	55.5
Rated AC voltage	3W/N/PE, 230V/400V								
AC grid frequency	50/60Hz								
Rated AC output current [A]	24.6	29.0	36.2	43.5	43.5	47.8	52.2	58.0	72.5
Max. output current [A]	28.6	33.6	42.0	50.5	45.5	55.5	60.6	67.3	84.1
Adjustable power factor	0.8Leading ...0.8Lagging								
Operating temperature range	-25°C ... +60°C (>45°C Derating)								
Protection degree	IP66								
Software Version	DM1.0								

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-230076R2

Model	MID 20KTL3- X2(K1)	MID 20KTL3- X2(K2)	MID 36KTL3- X2(K1)	MID 36KTL3- X2(K2)	MID 50KTL3- X2(K1)	MID 50KTL3- X2(K2)
Max. DC voltage	1100Vdc					
MPP voltage range	200-1000Vdc					
Full Load MPP voltage range	420-850Vdc		400-850Vdc		450-850Vdc	
No. of MPP trackers	2		3		4	
No. of PV strings per MPP trackers	2/2		2/2/2		2/2/2/2	
Max. input current per MPP trackers [A]	32/32		32/32/32		32/32/32/32	
Max. short-circuit current per MPP trackers [A]	40/40		40/40/40		40/40/40/40	
AC rated power [KW]	20		36		50	
Max. AC apparent power [KVA]	22.2		40.0		55.5	
Rated AC voltage	3W/N/PE, 230V/400V					
AC grid frequency	50/60Hz					
Rated AC output current [A]	29.0		52.2		72.5	
Max. output current [A]	33.6		60.6		84.1	
Adjustable power factor	0.8Leading ...0.8Lagging					
Operating temperature range	-25°C ... +60°C (>45°C Derating)					
Protection degree	IP66					
Software Version	DM1.0					

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