Certificate of Conformity

Certificate Number: CN-PVES-260089

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:	Guangzhou Felicity Solar Technology Co., Ltd. (Airport Baiyun)No.2, 4, 6, 8, 10 and 12 Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, Guangdong, P. R. China
Product:	Hybrid Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	IVGM5KLP2G1-US, IVGM6KLP2G1-US, IVGM7K6LP2G1-US, IVGM8KLP2G1-US
Brand Name<s>:	Felicitysolar®
Product Complies with:	UL 1741 Ed.3+R:22April2025
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>:	250905100GZU-001, 23 Mar 2026

Additional information in Appendix.

Signature

Certification Manager: Grady Ye
Date: 27 Mar 2026

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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-PVES-260089.

Model	IVGM5KLP2G1-US	IVGM6KLP2G1-US	IVGM7K6LP2G1-US	IVGM8KLP2G1-US
PV Data				
Max. PV voltage	500 d.c.V			
PV voltage range	90-500 d.c.V			
Nominal input voltage	380 d.c.V			
PV Isc	17 + 17 d.c.A	44 + 17 d.c.A	44 + 44 d.c.A	
Max. input current	13 + 13 d.c.A	26 + 13 d.c.A	26 + 26 d.c.A	
AC Data				
Nominal voltage	120/240, 208 a.c.V			
Nominal Frequency	50/60Hz			
Max. input/output apparent power	5500 VA	6600 VA	8360VA	8800VA
Max. input/output current	22.9 a.c.A	27.5 a.c.A	34.8 a.c.A	36.7 a.c.A
Power factor range	1.0 leading ~ 1.0 lagging			
Load Data				
Nominal voltage	120/240, 208 a.c.V			
Nominal Frequency	50/60Hz			
Max. output power	4000 W	5000 W	7600 W	8000 W
Max. output current	20.8 a.c.A	25 a.c.A	31.7 a.c.A	33.3 a.c.A
Max. continuous AC passthrough	40 a.c.A		50 a.c.A	
Power factor range	1.0 leading ~ 1.0 lagging			
GEN Data				
Nominal voltage	120/240, 208 a.c.V			

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APPENDIX: Certificate of Conformity

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Nominal Frequency	50/60Hz			
Max. input power	5500 VA	6600 VA	8360VA	8800VA
Max. input current	20.8 a.c.A	25 a.c.A	31.7 a.c.A	33.3 a.c.A
Battery Data				
Battery Type	Lithium-ion/Lead-acid			
Battery voltage range	40-60 d.c.V			
Max. charging and discharging current	190 d.c.A			
Other Data				
Safety level	Class I			
Ingress Protection	IP66			
Operation ambient temperature	-25°C ~ +60°C (>45°C Derating)			
Software version	V2799			

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