Certificate of Conformity

Certificate Number: CN-PVES-260283

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:	IVGM20KHP3G2-208-US, IVGM30KHP3G2-208-US, IVGM40KHP3G2-480-US, IVGM50KHP3G2-480-US, IVGM60KHP3G2-480-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>:	250905102GZU-001, 21 Jul 2026

Additional information in Appendix.

Mira Xiao

Signature

Certification Manager: Mira Xiao
Date: 23 Jul 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-260283

Model	IVGM20KHP3G 2-208-US	IVGM30KHP3G 2-208-US	IVGM40KHP3G 2-480-US	IVGM50KHP3G 2-480-US	IVGM60KHP3G 2-480-US
PV Data					
Max. PV voltage	1000 d.c.V				
MPPT voltage range	150-850 d.c.V				
Nominal input voltage	600 d.c.V				
PV Isc	55+55+55+55 d.c.A				
Max. input current	36+36+36+36 d.c.A				
AC Data					
Nominal voltage	120/208 a.c.V		277/480 a.c.V		
Nominal Frequency	50/60Hz				
Type of grid connection	3L+N+PE				
Max. input/output apparent power	20000 VA	30000 VA	40000 VA	50000 VA	60000 VA
Max. input/output current	55.5 a.c.A	83.3 a.c.A	48.1 a.c.A	60.2 a.c.A	72.2 a.c.A
Power factor range	0.8 leading ~ 0.8 lagging				
Max. continuous AC passthrough	200 a.c.A				
Load Data					
Nominal voltage	120/208 a.c.V		277/480 a.c.V		
Nominal Frequency	50/60Hz				
Type of grid connection	3L+N+PE				
Max. output power	20000 VA	30000 VA	40000 VA	50000 VA	60000 VA
Max. output current	55.5 a.c.A	83.3 a.c.A	48.1 a.c.A	60.2 a.c.A	72.2 a.c.A
Max. continuous AC passthrough	200 a.c.A				
Power factor range	0.8 leading ~ 0.8 lagging				

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260283

GEN Data					
Nominal voltage	120/208 a.c.V		277/480 a.c.V		
Nominal Frequency	50/60Hz				
Type of grid connection	3L+N+PE				
Max. input power	20000 VA	30000 VA	40000 VA	50000 VA	60000 VA
Max. input current	55.5 a.c.A	83.3 a.c.A	48.1 a.c.A	60.2 a.c.A	72.2 a.c.A
Battery Data					
Battery Type	LFP				
Battery voltage range	160-800 d.c.V				
Max. charging and discharging current	50*2 d.c.A				
Other Data					
Safety level	Class I				
Ingress Protection	IP65				
Operation ambient temperature	-40°C ~ +60°C (>45°C Derating)				
Software version	V100				

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