

# ATTESTATION OF CONFORMITY

Issued to: 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, China

For the product: Hybrid Inverter

Trade name:  Felicity solar®  
Make life full of hope

Type/Model: IVGM5KLP1G1, IVGM6KLP1G1, IVGM7K6LP1G1, IVGM8KLP1G1

Ratings: See annex

Manufactured by: 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, China

Subject: Complete evaluation of electrical system of the appliances

Requirements: NRS 097-2-1:2024 edition 3

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test file / test report no 4952885.50.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This document does not authorize the use of any DEKRA approved mark.

Guangzhou, 18 March 2026

Number: 4952885.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.,  
Guangzhou Branch

*Phoebe chen*

Phoebe Chen  
Certification Manager

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# Annex

Document no. : 4952885.01AOC

Ratings:

<b>Model List and Ratings:</b>					
<b>Model</b>		<b>IVGM5KLP 1G1</b>	<b>IVGM6KLP 1G1</b>	<b>IVGM7K6LP 1G1</b>	<b>IVGM8KLP 1G1</b>
<b>Battery</b>	Battery type	Li-ion/Lead-acid			
	Battery Voltage Range [Vdc]	40 - 60			
	Rated Battery Voltage [Vdc]	48			
	Max. charge/discharge current [A <sub>dc</sub> ]	120	135	190	190
	Max. charge/discharge Power [kW]	5.0	6.0	7.6	8.0
<b>PV input</b>	Max. PV input Voltage [Vdc]	500			
	Rated PV input Voltage [Vdc]	380			
	PV input Voltage Range [Vdc]	90 - 500			
	MPPT Voltage Range [Vdc]	120 - 425			
	Max. PV input current [A <sub>dc</sub> ]	13.0*2	26.0+13.0	26.0*2	26.0*2
	Isc current [A <sub>dc</sub> ]	17.0*2	44.0+17.0	44.0*2	44.0*2
	Max. PV input power [kW]	7.5	9.0	11.4	12.0
<b>AC terminal (On-grid)</b>	Rated AC Voltage [Vac]	230V, L+N+PE			
	Rated Frequency [Hz]	50/60			
	Max. AC input current [A <sub>ac</sub> ]	21.7	26.1	33.0	34.8
	Max. AC input Power [kW]	5.0	6.0	7.6	8.0
	Rated AC output current [A <sub>ac</sub> ]	21.7	26.1	33.0	34.8
	Max. AC output current [A <sub>ac</sub> ]	23.9	28.7	36.0	38.3
	Rated AC output Power [kW]	5.0	6.0	7.6	8.0
	Max. AC output Apparent power [kVA]	5.5	6.6	8.36	8.8
	Power factor	0.8 leading to 0.8 lagging			
<b>Off-grid</b>	Rated AC output Voltage [Vac]	230V, L+N+PE			
	Rated Frequency [Hz]	50/60			
	Rated AC output current [A <sub>ac</sub> ]	21.7	26.1	33.0	34.8
	Max. AC output current [A <sub>ac</sub> ]	40.0			
	Rated AC output Power [kW]	5.0	6.0	7.6	8.0

	Max. AC output Apparent power [kVA]	5.5	6.6	8.36	8.8
	Power factor	0.8 leading to 0.8 lagging			
General	Type of inverter	Non-isolated			
	Ingress Protection	IP65			
	Operating Temperature Range [°C]	-25 to 60 (Derating above 45 °C)			

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End