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:	Felicitysolar®
Type/Model:	IVGM10KLP3G1, IVGM12KLP3G1, IVGM14KLP3G1, IVGM15KLP3G1, IVGM16KLP3G1, IVGM18KLP3G1, IVGM20KLP3G1
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 4952886.50.

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.

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Guangzhou, 20 March 2026 Number: 4952886.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.,
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Annex

Document no. : 4952886.01AOC

Ratings:

Model List and Ratings:					
Model		**IVGM10KL P3G1**	**IVGM12KL P3G1**	**IVGM14KL P3G1**	**IVGM15KL P3G1**
Battery	Battery type	Li-ion/Lead-acid			
	Battery Voltage Range [Vdc]	40 - 60			
	Rated Battery Voltage [Vdc]	50	50	50	50
	Max. charge/discharge current [Adc]	210	240	260	280
	Max. charge/discharge Power [kW]	10	12	14	15
PV input	Max. PV input Voltage [Vdc]	800			
	Rated PV input Voltage [Vdc]	550			
	MPPT Voltage Range [Vdc]	160 - 650			
	Max. PV input current [Adc]	26A*2		36A*2	
	Isc current [Adc]	39A*2		54A*2	
	Max. PV input power [kW]	15.0	18.0	22.4	24.0
AC terminal (On-grid)	Rated AC Voltage [Vac]	220/380, 230/400V, 3W+N+PE			
	Rated Frequency [Hz]	50/60			
	Max. AC input current [Aac]	16.7/16	20/19.2	23.4/22.4	25.0/24.0
	Max. AC input Power [kW]	11.0	13.2	15.4	16.5
	Rated AC output current [Aac]	15.2/14.5	18.2/17.4	21.3/20.3	22.8/21.8
	Max. AC output current [Aac]	16.7/16.0	20.0/19.2	23.4/22.4	25.0/24.0
	Rated AC output Power [kW]	10.0	12.0	14.0	15.0
	Max. AC output Apparent power [kVA]	11.0	13.2	15.4	16.5
	Power factor	0.8 leading to 0.8 lagging			
EPS output	Rated AC output Voltage [Vac]	220/380, 230/400V, 3W+N+PE			
	Rated Frequency [Hz]	50/60			
	Rated AC output current [Aac]	15.2/14.5	18.2/17.4	21.3/20.3	22.8/21.8
	Max. AC output current [Aac]	16.7/16.0	20.0/19.2	23.4/22.4	25.0/24.0
	Rated AC output Power [kW]	10.0	12.0	14.0	15.0
	Max. AC output Apparent power [kVA]	11.0	13.2	15.4	16.5
	Power factor	0.8 leading to 0.8 lagging			
General	Type of inverter	Non-isolated			
	Ingress Protection	IP65			
	Operating Temperature Range [ºC]	-40 to 60 (Derating above 45 ºC)			

Model		IVGM16KLP3G1	IVGM18KLP3G1	IVGM20KLP3G1
Battery	Battery type	Li-ion/Lead-acid		
	Battery Voltage Range [Vdc]	40 - 60		
	Rated Battery Voltage [Vdc]	50	50	50
	Max. charge/discharge current [Adc]	300	330	350
	Max. charge/discharge Power [kW]	16	18	20
PV input	Max. PV input Voltage [Vdc]	800		
	Rated PV input Voltage [Vdc]	550		
	MPPT Voltage Range [Vdc]	160 - 650		
	Max. PV input current [Adc]	36A*2		
	Isc current [Adc]	54A*2		
	Max. PV input power [kW]	25.6	28.8	32.0
AC terminal (On-grid)	Rated AC Voltage [Vac]	220/380, 230/400V, 3W+N+PE		
	Rated Frequency [Hz]	50/60		
	Max. AC input current [Aac]	26.7/25.6	30.0/28.7	33.4/31.9
	Max. AC input Power [kW]	17.6	19.8	22.0
	Rated AC output current [Aac]	24.3/23.2	27.3/26.1	30.4/29.0
	Max. AC output current [Aac]	26.7/25.6	30.0/28.7	33.4/31.9
	Rated AC output Power [kW]	16.0	18.0	20.0
	Max. AC output Apparent power [kVA]	17.6	19.8	22.0
	Power factor	0.8 leading to 0.8 lagging		
EPS output	Rated AC output Voltage [Vac]	220/380, 230/400V, 3W+N+PE		
	Rated Frequency [Hz]	50/60		
	Rated AC output current [Aac]	24.3/23.2	27.3/26.1	30.4/29.0
	Max. AC output current [Aac]	26.7/25.6	30.0/28.7	33.4/31.9
	Rated AC output Power [kW]	16.0	18.0	20.0
	Max. AC output Apparent power [kVA]	17.6	19.8	22.0
	Power factor	0.8 leading to 0.8 lagging		
General	Type of inverter	Non-isolated		
	Ingress Protection	IP65		
	Operating Temperature Range [ºC]	-40 to 60 (Derating above 45 ºC)		

End