CERTIFICATE 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
Factory:	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
Requirements:	PPDS ANNEX 4:2022

Type of product certification scheme: Type 1a (Type approval)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 4964551.50.

The examination has been carried out on one single specimen of the product. 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 Test Certificate expires at the latest on 26 October 2031 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 26 October 2026 Number: 4964551.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Rosa Zhou
Certification Manager

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IAS ACCREDITED Product Certification Agency

PCA-141

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Model List and Ratings:					
Model		**IVGM10KLP 3G1**	**IVGM12KLP 3G1**	**IVGM14KLP 3G1**	**IVGM15KLP 3G1**
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			
Off-grid	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		
Off-grid	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)		

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