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:	IVGM8KHP3G3, IVGM9K9HP3G3, IVGM10KHP3G3, IVGM12KHP3G3, IVGM15KHP3G3, IVGM20KHP3G3, IVGM25KHP3G3
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. 4952434.50.

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 25 June 2031 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 25 June 2026 Number: 4952434.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Rosa Zhou
Certification Manager

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PCA-141

Model List and Ratings:					
Model		**IVGM8KHP 3G3**	**IVGM9K9HP 3G3**	**IVGM10KHP 3G3**	**IVGM12KHP 3G3**
Battery	Battery type	LiFePO4			
	Battery Voltage Range [Vdc]	160 - 700			
	Rated Battery Voltage [Vdc]	500			
	Max. charge/discharge current [Adc]	50			
	Max. charge/discharge Power [kW]	8.0	9.9	10.0	12.0
PV input	Max. PV input Voltage [Vdc]	1000			
	Rated PV input Voltage [Vdc]	600			
	MPPT Voltage Range [Vdc]	150 - 850			
	Max. PV input current [Adc]	21+21			42+21
	Isc current [Adc]	32+32			63+32
	Max. PV input power [kW]	12.8	15.8	16.0	19.2
AC terminal (On-grid)	Rated Voltage [Vac]	230/400V, 3L+N+PE			
	Rated Frequency [Hz]	50/60			
	Max. input current [Aac]	12.8	14.3	16.0	19.2
	Max. input Power [kW]	8.8	9.9	11.0	13.2
	Rated output current [Aac]	11.6	14.3	14.5	17.4
	Max. output current [Aac]	12.8	14.3	16.0	19.2
	Rated output Power [kW]	8.0	9.9	10.0	12.0
	Max. output Apparent power [kVA]	8.8	9.9	11.0	13.2
	Power factor	0.8 leading to 0.8 lagging			
EPS output	Rated output Voltage [Vac]	230/400V, 3L+N+PE			
	Rated Frequency [Hz]	50/60			
	Rated output current [Aac]	11.6	14.3	14.5	17.4
	Max. output current [Aac]	12.8	14.3	16.0	19.2
	Rated output Power [kW]	8.0	9.9	10.0	12.0
	Max. output Apparent power [kVA]	8.8	9.9	11.0	13.2
	Power factor	0.8 leading to 0.8 lagging			
General	Type of inverter	Non-isolated			
	Ingress Protection	IP66			
	Operating Temperature Range [ºC]	-40 to 60 (Derating above 45 ºC)			

Model		**IVGM15KHP3G3**	**IVGM20KHP3G3**	**IVGM25KHP3G3**
Battery	Battery type	LiFePO4		
	Battery Voltage Range [Vdc]	160 - 700		
	Rated Battery Voltage [Vdc]	500		
	Max. charge/discharge current [Adc]	50		
	Max. charge/discharge Power [kW]	15.0	20.0	25.0
PV input	Max. PV input Voltage [Vdc]	1000		
	Rated PV input Voltage [Vdc]	600		
	MPPT Voltage Range [Vdc]	150 - 850		
	Max. PV input current [Adc]	42+21	42+42	
	Isc current [Adc]	63+32	63+63	
	Max. PV input power [kW]	24.0	32.0	40.0
AC terminal (On-grid)	Rated Voltage [Vac]	230/400V, 3L+N+PE		
	Rated Frequency [Hz]	50/60		
	Max. input current [Aac]	23.8	32.0	39.8
	Max. input Power [kW]	16.5	22.0	27.5
	Rated output current [Aac]	21.7	29.0	36.3
	Max. output current [Aac]	23.8	32.0	39.8
	Rated output Power [kW]	15.0	20.0	25.0
	Max. output Apparent power [kVA]	16.5	22.0	27.5
	Power factor	0.8 leading to 0.8 lagging		
EPS output	Rated output Voltage [Vac]	230/400V, 3L+N+PE		
	Rated Frequency [Hz]	50/60		
	Rated output current [Aac]	21.7	29.0	36.3
	Max. output current [Aac]	23.8	32.0	39.8
	Rated output Power [kW]	15.0	20.0	25.0
	Max. output Apparent power [kVA]	16.5	22.0	27.5
	Power factor	0.8 leading to 0.8 lagging		
General	Type of inverter	Non-isolated		
	Ingress Protection	IP66		
	Operating Temperature Range [ºC]	-40 to 60 (Derating above 45 ºC)		

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